PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
July 23	Maple Heights (Bedford P. O.), O.	July 21
July 25	Marysville, Wash	June 23
July 25	Los Angeles, Cal.	July 14
July 25	Burlington, Col.	July 14
July 26	Bombay, India	Apr. 28
July 26	Flora, Ill.	July 21
July 26	Council Groves, Kan.	July 21
July 29	Harrodsburg, Ky.	July 21
Aug. 1	Willmar, Minn.	July 21
Aug. 1	Gloversville, N. Y.	July 21
Aug. 2	Mankato, Minn.	July 21
Aug. 4	Gloucester, N. J. Adv. July 14 and 21.	July 21
Aug. 4	Pella, Ia.	July 21
Aug. 5	Montreal, Que.	July 21
Aug. 8	Hammond, Ind. Adv. July 21.	July 21
Aug. 8	Westwego, La.	July 21
Aug. 12	Dallas, Tex. Adv. July 21.	July 21
Sept. 1	Verona, Pa.	July 21

SEWERS

July 25	Niagara Falls, Ont.	July 14
July 25	West St. Paul (St. Paul P. O.), Minn.	July 21
July 26	Atchinson, Kan.	July 21
July 26	Dubuque, Ia.	July 21
July 27	Kilburn, Wis.	July 14
July 29	Detroit, Mich.	July 21
July 29	Akron, O.	July 21
July 29	Aldan, Pa. Adv. July 21.	July 21
Aug. 1	Hughesville, Pa.	July 21
Aug. 1	Mamaroneck, N. Y. Adv. July 21.	July 21
Aug. 1	Willmar, Minn.	July 21
Aug. 1	Montreal, Que.	July 21
Aug. 2	Paterson, N. J.	July 14
Aug. 2	Glenview, Ill.	July 21
Aug. 8	Lebanon, Pa. Adv. July 21.	July 21
Aug. 9	New York, N. Y.	July 21
Aug. 10	Maplewood, Mo.	July 21
Aug. 11	Mt. Vernon, Ill.	July 21

BRIDGES

July 23	Attleboro, Mass. Adv. July 21.	July 21
July 25	Wheeler, Tex.	July 14
July 25	El Monte, Cal.	July 14
July 25	Lewiston, Pa.	July 21
July 26	Chattahoochee, Fla.	July 14
July 26	Atlantic, Ia.	July 14
July 27	Shrewsbury, N. J. Adv. July 14 and 21.	July 14
July 27	Greenfield, Ia.	July 14
July 27	Warwick, R. I. Adv. July 21.	July 21
July 27	Decatur, Ill.	July 21
July 27	Fremont, O.	July 21
July 28	Newport, N. Y. Adv. July 14 and 21.	July 14
July 28	Kentucky	July 21
July 29	East Peoria (Peoria P. O.), Ill.	July 21
July 29	Missouri	July 21
Aug. 3	Appleton, Wis.	July 21
Aug. 9	St. Louis, Mo.	July 21
Aug. 15	Columbus, O.	July 21
Aug. 15	Burlington, Wis.	July 21
Aug. 16	Faribault Minn.	July 21
Aug. 17	Rochester, N. Y. Adv. July 21.	July 21
Sept. 7	Kingman, Kan.	June 30

STREETS AND ROADS

Bids Close		See Eng. News-Record
July 25	Salem, N. J. Adv. July 7 to 21.	July 7
July 25	Marshalltown, Ia. Adv. July 14 and 21.	July 14
July 25	Akron, O.	July 14
July 25	Litchfield, Minn.	July 21
July 25	Marshall, Minn.	July 21
July 25	Benton, Ill.	July 21
July 25	Detroit, Mich.	July 21
July 26	Alabama	June 23
July 26	Alabama	July 7
July 26	Massachusetts	July 14
July 26	St. Louis, Mo.	July 14
July 26	Atlantic, Ia.	July 14
July 26	Orangeburg, S. C.	July 14
July 26	Memphis, Tenn.	July 21
July 26	Marshall, Mo.	July 21
July 26	Marshalltown, Ia.	July 21
July 27	Fulton, N. Y. Adv. July 14 and 21.	July 14
July 27	Greenfield, Ia.	July 14
July 27	Oswego, N. Y. Adv. July 21.	July 21
July 27	Pittsburgh, Pa.	July 21
July 27	Kansas City, Kan.	July 21
July 27	New Jersey Adv. July 14 and 21.	July 21
July 27	Saluda, S. C.	July 21
July 27	Virginia	July 21
July 27	Benton, Ill.	July 21
July 27	Greenfield, Ia.	July 21
July 27	Brooklyn, N. Y.	July 21
July 27	Montreal, Que.	July 21
July 28	Sewaren, N. J. Adv. July 14 and 21.	July 14
July 28	New Brunswick, N. J. Adv. July 14 and 21.	July 14
July 28	Camden, S. C.	July 14
July 28	New Haven, Conn.	July 21
July 28	Nanty Glo, Pa.	July 21
July 28	Kentucky	July 21
July 29	Waverly, Ia.	July 21
July 29	Beaver Dam, Wis.	July 14
July 29	Mt. Holly, N. J.	July 14
July 29	Modesto, Cal.	July 21
July 29	Missouri	July 21
July 30	Cleveland, O.	July 21
July 30	Hillsboro, Mo.	July 21
Aug. 1	Highland, Ill.	June 30
Aug. 1	Hastings, Minn.	July 14
Aug. 1	Red Bank, N. J. Adv. July 14 and 21.	July 21
Aug. 1	Washington	July 21
Aug. 1	Watertown, S. D.	July 21
Aug. 1	Montreal, Que.	July 21
Aug. 1	Greenville, S. C.	July 21
Aug. 2	South Fork, Pa.	July 21
Aug. 2	Alabama	July 7
Aug. 2	Maryland Adv. July 21.	July 21
Aug. 2	Long Branch, N. J. Adv. July 21.	July 21
Aug. 2	Trenton, N. J. Adv. July 21.	July 21
Aug. 2	Gretna, La.	July 21
Aug. 2	Dayton, O.	July 21
Aug. 3	Maniwaki, Que.	July 14
Aug. 3	Cleveland, O.	July 21
Aug. 4	Wichita, Kan.	July 7
Aug. 5	Tennessee	July 21
Aug. 5	Pennsylvania Adv. July 14 and 21.	July 21
Aug. 9	Syracuse, Kan.	July 7
Aug. 9	Charleston, S. C. Adv. July 21.	July 21
Aug. 9	Trenton, N. J. Adv. July 21.	July 21
Aug. 9	Duluth, Minn.	July 21
Aug. 10	Council Grove, Kan.	July 21
Aug. 12	Iola, Kan.	July 21

RAILWAYS

July 30	Minnesota	July 14

EXCAVATION AND DREDGING

Bids Close		See Eng. News-Record
July 25	Welland, Ont.	July 7
July 25	Phillips, Wis.	July 14
July 25	St. Peter, Minn.	July 21
July 26	Cleveland, Miss.	July 14
July 27	Wisconsin Rapids, Wis.	July 7
Aug. 10	Ottumwa, Ia.	July 7

INDUSTRIAL WORKS

July 25	Oshkosh, Wis.	July 21
July 25	Phila., Pa.	July 21
Aug. 14	Victoria, Australia	June 2

BUILDINGS

July 25	Shorewood (Milwaukee P. O.), Wis.	July 14
July 26	Winnipeg, Man.	July 7
July 26	Virginia, Minn.	July 14
July 26	Uniontown, Pa.	July 14
July 26	Murphysboro, Ill.	July 21
July 26	Norman, Okla.	July 21
July 26	Perrysburg, N. Y.	July 21
July 26	Belleville, N. J. Adv. July 21.	July 21
July 27	New Philadelphia, O.	July 21
July 28	Fairview, O.	July 14
July 28	Omaha, Neb.	July 14
July 28	New Concord, O.	July 21
July 29	Alsuma, Okla.	July 21
Aug. 1	Superior, Wis.	June 30
Aug. 1	Walkerton, Ont.	July 14
Aug. 2	Harrisburg, Pa.	July 7
Aug. 2	Kirkwood, Mo.	July 21
Aug. 3	Middletown, N. Y. Adv. July 14 and 21.	July 14
Aug. 4	Dayton, O.	July 21
Aug. 5	Mason, Mich.	July 21
Aug. 5	Greensboro, N. C.	July 21
Aug. 5	Kansas City, Mo.	July 21
Aug. 6	Lakewood (Cleveland P. O.), O.	July 21
Aug. 8	Magee, Miss.	July 14
Aug. 8	Alliance, O.	July 21
Aug. 9	Ironwood Mich.	July 14
Aug. 10	Abilene, Kan.	July 21
Aug. 11	Asheville, O.	July 14
Aug. 27	Augusta, Kan.	July 21
Sept. 6	Lincoln, Neb.	July 21

FEDERAL GOVERNMENT WORK

July 22	Dredging — Providence, R. I. Adv. July 7 to 21.	July 7
July 25	Submerged Riprap Spurs—Galveston, Tex.	July 14
July 25	Lock Valves — Pittsburgh, Pa. Adv. June 30 to July 21.	July 7
July 27	Sprinkler System—San Diego, Cal.	July 7
July 27	Double Houses—Wheeling, W. Va. Adv. June 30 to July 21.	July 7
July 27	Power Plant Impvts.—Iona Island, N. Y.	July 14
July 27	Storage Buildings—Quantico, Va.	July 14
July 27	Tanks and Towers—Yorktown, Va. Adv. July 14 and 21.	July 21
July 27	Water and Sewer Systems—Yorktown, Va. Adv. July 14 and 21.	July 21
July 27	Riprap—Buffalo, N. Y. Adv. July 14 and 21.	July 21
July 28	Repairing Building—Cairo, Ill.	July 21
July 29	Bridge—Portland, Ore.	July 21
July 29	Dredging — New York, N. Y. Adv. July 7 to 21.	July 7
July 30	Dredging — Wilmington, Del. Adv. July 21.	July 21

Bids Close		See Eng. News-Record
Aug. 1	Removing Boulder—Providence, R. I. ..... Adv. July 7 to 21.	July 7
Aug. 2	Mezzanine Floor — Atlanta, Ga. ..... Adv. July 21.	July 21
Aug. 10	Mailing Vestibule—Mason City, Ia. ..... Adv. July 21.	July 21
Aug. 10	Vestibule—Mason City, Ia.	July 21
Aug. 15	Post Office, etc. — Globe, Ariz.	July 21
Aug. 18	Dredging, etc. — Buffalo, N. Y. ..... Adv. July 21.	July 21

MISCELLANEOUS

July 25	Lighting Conduits—Detroit, Mich.	July 14
July 25	Water Pipe and Gate Valves —Milwaukee, Wis.	July 21
July 25	Station Finish, etc.—New York, N. Y.	July 21
July 26	Timber Grillage, Training Pier, etc.—Poupore, Que.	July 14
July 26	Swimming Pool—St. Louis, Mo.	July 21
July 27	Water Pipe — Montreal, Que.	July 21
July 28	Water Pipe and Fittings—Manitowoc, Wis.	July 21
July 28	Water Pipe, etc.—Two Rivers, Wis.	July 21
July 30	Pumps—London, Ont.	June 23
Aug. 1	Pier—Phila., Pa. ..... Adv. July 14 and 21.	July 14
Aug. 2	Paving Brick—South Fork, Pa.	July 21
Aug. 17	Jib Cranes — Brooklyn, N. Y. ..... Adv. July 21.	July 21
Aug. 20	Piers and Abutments—Dayton, O.	July 21

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Ill., Jerseyville—City having plans prepared laying 6 and 8 in. water mains and constructing pumping station and reservoir. About $75,000. Fuller & Beard, Chemical Bldg., St. Louis, Mo., engrs.

Minn., Calumet—See "Sewers."

Minn., Park Rapids—City having plans prepared building pumping station and extending waterworks. About $30,000. Bradley Eng. Serv. Co., St. Cloud, engrs.

Minn., Richmond—See "Sewers."

Minn., South St. Paul—City rejected bids building distribution system. About $21,000. Noted April 28.

Kan., Derby—City having plans prepared for waterworks system, including reservoir, 6 and 8 in. mains and pumping station. About $25,000. W. B. Rollins, Ry. Exch. Bldg., Kansas City, Mo., engrs.

Kan., Manhattan—City having plans prepared for waterworks system and new watermains. About $40,000. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

Okla., Duncan—City rejected bids opened June 29, building 2,000,000 gal. reservoir. Benham & Mullergren, Firestone Bldg. Kansas City, Mo., engrs. Noted June 23.

N. S., Sydney—City soon receives bids for waterworks pump. About $25 000.

BIDS DESIRED

N. Y., Gloversville—Until Aug. 1, by M. Vrooman, engr., 10 North Main St., furnishing and installing mechanical pressure filter and appurtenances.

N. J., Gloucester—Until Aug. 4, by City Council, improving water supply system. Remington & Vosbury, 601 Market St., Camden, engrs.; advertised in this issue.

Pa., Verona—Until Sept. 1, by Suburban Water Co., for 5,000,000 gal. high duty pumping engine, crank and fly wheel and turbine driven centrifugal pumps will be considered. A. B. Garvin, supt.

La., Westwego—Until Aug. 8, by V. A. Pitre, mayor and Bd. Aldermen, building complete water system including oil engine, pumps, steel tower, tank, hydrants, valves, pipe, pumphouse, etc.

Ky., Harrodsburg—Until July 29, by city improving waterworks system. Pearse, Greely & Hansen, 39 West Adam St., Chicago, engrs.

O., Maple Heights (Bedford, P. O.)—Until July 23, by village, laying 32,000 ft. 4-10 in. c.i. water mains in various streets. About $50,000. C. W. Courtney, Leader-News Bldg., Cleveland, engr. Incorrectly noted in our issue of July 14.

Ind., Hammnod—Until Aug. 8, by Bd. Pub. Wks. building 16,000 ft. water main. J. Erickson, 30 North La Salle St., Chicago, consult. engr.; advertised in this issue.

Ill., Flora—Until July 26, by city, extending and improving waterworks, electric light and power plants and laying 4-8 in. water mains and adding 1 unit to power plant. About $40,000. Fuller & Beard, Chemical Bldg., St. Louis, Mo., engrs. Noted June 16.

Ill., Litchfield—City receiving bids improving waterworks and filtration system. About $200,000. P. B. Wilson, Marion, engr.

Ill., Washington—Until July 26, by city, increasing waterwork capacity from 200,000 gal. to 400,000 gal. per 24 hours. About $75,000. A. J. Keil, clk. Private plans. Noted July 7.

Ia., Pella—Until Aug. 4, by city, constructing 200,000-gal. steel or concrete tank on 110 ft. tower. A. C. Kuyper, clk. Noted April 23.

Minn., Mankato—Until Aug. 2, by city, furnishing 8 in. 2 stage horizontal split case centrifugal pump, 1,750,000 gal. daily capacity. F. W. Bates, clk.

Minn., Willmar—Until Aug. 1, by city, extending water works system, involving 8,260 ft. 4 in. Class B water pipe, 6 hydrants, 2,600 lb. special castings, etc. H. Gundenson, clk. About $15,000.

Kan., Council Groves—Until July 26, by city, improving waterworks system, including two 700 gal. per min. and two 400 gal. per min. centrifugal pumps. About $25,000. Black & Veach, Mutual Bldg., Kansas City, Mo., engrs. Noted May 19.

Tex., Dallas—Until Aug. 12, by Mayor and City Comrs., building water purification plant at White Rock Reservoir, capacity 15,000,000 gal. daily. M. G. James, city secy.; advertised in this issue.

Que., Montreal—Until Aug. 5, by chairman administrative Comn., City Hall, furnishing and installing one 12,000,000 gal. pump for McTarvish St. pumping station. Water Bd. Comn., Notre Dame St. E., engrs.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Del., Wilmington**—New Castle Co. let contract paving 3 mi. road from here to Newport, to J. F. O'Neal, Mt. Cuba, $73,851.

N. J., Avon—City opened bids July 12, building (1) 800 ft. 8 in. wells under 400 ft. and 200 ft. 8 in. wells over 400 ft., in Sect. 1, (2) 100,000 gal. steel water tank, in Sect. 2, (3) deep well pumps and 1,400 ft. 10 in. c.i. pipe, in Sect. 3, from A. J. Connolly, 100 South 10th St., Newark, (1) $6,600; Ridpath & Potter, 22nd and Cambria St., Phila., (1) $7,700; Simpson, Brown & Co., 90 West St., New York City, (1) $7,700, (2) $8,890; Phillips & Worthington, 90 West St., New York City, (1) $8,300; Chicago Bridge & Iron Wks., 30 Church St., New York City, (2) $8,050; Pittsburgh Des Moines Steel Co., 50 Church St., New York City, (2) $8,490; J. R. Proctor, 120 Liberty St., New York City, (3) $17,900; W. G. Fritz Co., Inc., 256 Valley Rd., West Orange, (3) $26,831; Suburban Eng. Co., 15 West 38th St., New York City, (3) $29,837.

★**Tenn., Nashville**—City let contract building rein.-con. grit chamber, pump foundations and superstructure improvements to G. B. Howard, 150 4th St., $217,550; relining and water-proofing reservoir, to W. S. Rae, Oliver Bldg., Pittsburgh, Pa., $182,179. Incorrectly noted in our issue July 7.

Mich., Detroit—Water Bd. will lay 860 ft. 6 in. and 5,340 ft. 8 in. c.i. water mains in Kentucky, Prarie, Wykes, Van Buren and Chalmers Aves. About $30,000. T. A. Leisen, Water Works, engr.

★**Ia., Mason City**—City let contract building storage reservoir, enlarging pumping station and extending water mains, to J. A. McDonald Constr. Co., 752 Builders Exch., Minneapolis. About $300,000. Noted June 9.

★**Ia., Mason City**—City let contract lining reservoir with concrete, (4,160,000 gal. capacity), to J. A. McDonald Constr. Co., 752 Builders Exch. Bldg., Minneapolis, $51,920. Noted June 23.

★**Kan., Ottawa**—City let general contact improving waterworks system and filtration plant, to Chanute Constr. Co., Chanute, $140,315; filter equipment, to International Filter Co., 333 West 25th Pl., Chicago, Ill., $7,600; tank and tower, to Chicago Bridge & Iron Wks., 105th and Throop Aves., $3,780. Noted June 23.

★**S. D., Kimball**—City let contract extending waterworks system, involving 12,440 lin.ft. 4-in. c.i. pipe, 6,263 lb. special castings, etc., to W. D. Lovell, 1415 8th St., S. E., Minneapolis, Minn., $19,857. Noted June 23.

★**Okla., Duncan**—City let contract building 12 mi. 4-12 in. c.i. watermains, etc., to Merkle Mchy. Co., 1733 Walnut St., Kansas City, Mo. About $128,000. Noted June 23.

★**Ont., Sturgeon Falls**—Town let contract building waterworks pumphouse, sidewalks and sewers, 2 mi. sanitary to McNamara Bros. & Thornton, Saulte Ste. Marie. About $70,000.

Sewers

PROPOSED WORK

Mich., Detroit—City having plans prepared building following lateral sewers, 3318 in blocks bounded by Dequindre, Arlington, Cody and Davison Aves.; 3319 blocks bounded by Dequindre, Arlington, Halleck and Cody Aves.; 3320 in blocks bounded by Dequindre, Arlington, Carpenter and Halleck Aves.; 3420 in blocks bounded by alley west of Monica and Livernois Aves., north and south of Burlingame Ave.; 3493, in blocks bounded by St. Aubin, Fleming, Nevada Aves. and Six Mile Rd.; 2478 in blocks bounded by Conant, Justine, Carpenter and Charles Aves.; 3496 in blocks bounded by John R. St., 600 ft. east of John R. St. Hilldale and alley north of Robinwood Ave.; 3497 in blocks bounded by Wetherby, Walton, Warren and Sparta Ave.; 3498 in blocks bounded by Yacama, Oakland, Winchester Aves. and Eight Mile Rd. About $50,000. C. W. Hubbell, city engr.

Ill., Augusta—City having plans prepared for sewerage system and sewage disposal plant. About $60,000. Black & Veach, Mutual Bldg., Kansas City, Mo., engrs.

Minn., Calumet—City having plans prepared building sewers and water mains, also paving and installing electric lights on various streets. About $98,000. F. W. Hill, clk., Bradley Eng. Serv. Co., St. Cloud, engrs.

Minn., Richmond—Village having plans prepared building sewerage and waterworks system. About $60,000. L. P. Hennes recdr. Bradley Eng. Serv. Co., St. Cloud, engrs.

Mo., Monett—City having plans prepared laying 6 and 8 in. sewer pipe and manholes in various streets. About $25,000. B. Robins, Monett, engr.

Mo., Springfield—City election Aug. 2, to vote on $300,000 bonds to build storm sewers in various streets. G. W. Culler, 998 North Jefferson St., engr.

N. S., Sydney—City soon receives bids building sewers. About $25,000.

BIDS DESIRED

N. Y., Mamaroneck—Until Aug. 1, by Bd. Sewer Comrs. Dist. 1, Weaver St. Schoolhouse, constructing Sects. 1 and 2 sewer system in Dist. 1. L. E. VanEtten, 12 Lawton St., New Rochelle, engr.; advertised in this issue.

N. Y., New York—Until Aug. 9, by H. H. Curran, pres. Manhattan Boro., Municipal Bldg., constructing sewer in 26th St. from mulkhead line of East River to Madison Ave. and reconstructing sewer in Madison Ave. from East 25th to East 31st Sts., etc.

Pa., Aldan—Until July 29, by boro., building 5 mi. sanitary sewerage system. E. P. Chance, chn.; advertised in this issue.

Pa., Hughesville—Until Aug. 1, by R. H. Corson, secy. Boro. Council, building sewerage system and disposal plant.

Pa., Lebanon—Until Aug. 8, by D. M. Sharp, city clk., building 3rd unit of sanitary sewage disposal plant, and reconstructing parts of existing units; advertised in this issue.

O., Akron—Until July 29, by Director Pub. Serv., building 820 ft. 72 in. and segmental block and 2,110 ft. 90 in. concrete sewers with manholes, etc., in 3,000 ft George Blvd. Trunk Sewer, Contr. 1. About $168,000. J. E. Root, Delaware Bldg., engr.

Mich., Detroit—Until July 29, by Dept. Pub. Wks., building 5,487 ft. Sect. 4 Bates St. Sewer in Brush St. from Canfield to Piquette Aves., 11 ft. 6 in. to 12 ft. cylinder; 5,421 ft. Jos. Campau Ave. Sewer from Canfield Ave. to point 330 ft. north of Harper Ave., 10 ft. 3 in. to 11 ft. circular section; 1,430 ft. Bates St. Sewer, Alfred St. Arm in Alfred St. from Brush St. to Woodward Ave. 9 ft. 6 in. cylinder; 2,657 ft. 3rd Ave. Sewer, Stanley Ave. Arm. in Stanley and Colburn Aves., from Commonwealth to 3rd Aves., 4 ft. 6 in. to 5 ft. 9 in. and 3 ft. 3 in. x 4 ft. 4 in. cylinder, all

Sewers (Continued)

foregoing tunnel construction, brick or monolithic concrete; 3,705 ft. Six Mile Rd. Sewer, Mt. Elliot Arm, in Mt. Elliot Ave. from Six Mile Rd. to Nevada Ave., in Nevada Ave. from Mt. Elliot to Dwyer Aves., Davison Ave. from Mt. Elliot to Paulus Aves., 3 ft. to 5 ft. 6 in. cylinder, 7,236 ft. Highland Park Arm, Sect. 1, in alley north of 14th St. and Edison Ave., from Linwood to 3rd Aves., Edison Ave. from Linwood to LaSalle Aves., 4 ft. to 11 ft. 6 in. cylinder, brick or monolithic concrete. C. W. Hubbell, city engr.

Ill., Glenview—Until Aug. 2, by city, laying 8-40 in. tile sewer pipe in various streets. About $54,969. A. R. Wolfe, 29 South La Salle St., Chicago, engr.

Ill., Mt. Vernon—Until Aug. 10, by city, constructing 12 in. vitr. pipe sewers, brick manholes, etc. About $75,000. A. C. Stansfield, Pana, engr. Noted June 23.

Ia., Dubuque—Until July 26, by J. Stuber, city clk., laying 12-54 in. vitr. tile sewers in Lincoln and Ann Aves. About $60,000. W. Cullen, city engr.

Minn., West St. Paul (St. Paul P. O.)—Until July 25, by City Council, building sanitary sewerage system, involving 26,900 lin.ft. 8-30 in. pipe. Claussen & Carroll, 1628 Lincoln Ave., St. Paul, consult. engrs. Noted Dec. 2.

Minn., Willmar—Until Aug. 1, by city, building sewerage system, involving 5,125 lin.ft. 8 in. and 5,110 lin.ft. 15-24 in. sewer pipe, 24 manholes, sewer connections, etc. About $27,000. H. Gunderson, clk.

Kan., Atchinson—Until July 26, by city, laying 8-12 in. sewer pipe, 18 manholes and 5 lampholes. About $25,000. V. L. King, clk. Private plans.

Mo., Maplewood—Until Aug. 10, by city, c/o G. Komar, clk., laying intercepting sewer and water mains, in various streets. About $40,000. A. H. Beard, Chemical Bldg., St. Louis, engr. Noted June 16.

Que., Montreal—Until Aug. 1, by chairman Administrative Comn., City Hall, building brick sewers in Walkeley Ave. and Gouin Blvd. About $59,745. A. E. Doucet, dir. pub. wks.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

N. J., Paterson—Passaic Valley Sewerage Comrs., 128 Market St., Newark, received bids July 12, building northerly portion of Sect. 23 of Warren St. Branch Intercepting Sewer, here, involving (a) 1,350 lin.ft. earth excav. and refilling in trench for 24 in. concrete sewer, (b) 700 cu.yd. concrete masonry, in trench, Portland cement mortar, (c) 200 cu.yd. earth filling for grading, etc., from Arnolt-More, Inc., 45 Clinton St., Newark, (a) $7 per lin.ft., (b) $15, (c) $1, total cost $30,770; Harrison & Craig Co., 31 Clinton St., Newark, (a) $8, (b) $19, (c) $1.50, $32,285; L. B. Harrison & Co., Paterson, (a) $7.27, (b) $21.83, (c) $1.50, $33,783. Noted June 30.

★**Fla., Monticello**—City let contract building sanitary sewerage system, to Sullivan, Long & Hagerty, Bessemer, Ala., $36,927. Noted May 26.

★**Mich., Detroit**—Dept. Pub. Wks. let contracts building Sects. 1 and 2, Seven Mile Rd. Sewer, to Nash Bros., Lonyo Rd. and Kirkwood Ave., $659,684; Sect. 8, Seven Mile Rd. Sewer, to W. Blanck & Co., 827 Ford Bldg., $96,019; Mack Ave. Sewer and Kirby Ave. Arm Sewer, to J. A. Mercier, 216 Hammond Bldg., $45,597 and $60,639 respectively. Noted June 16.

★**Wis., Cumberland**—City let contract building sanitary sewerage system and sewage treatment plant, to Hedberg-Boise Co., 2208½ West 2nd St., Duluth, Minn. About $70,000. Noted June 16.

★**Ia., Creston**—City let contract building storm and sanitary sewers in various streets, to H. Rees & Son, Quincy, Ill., $28,726. Noted June 16.

★**Mo., Clayton**—City let contract building concrete tank and 6-8 in. sewers in various streets, to F. A. Grant, University City. About $25,000. Noted July 7.

★**Okla., Duncan**—City let contract building 11 mi. sanitary sewers, 2 disposal plants, etc., to Grimes & James, Miami. About $177,222. Noted June 23.

★**Utah, Ogden**—City let contract furnishing labor and material for main outfall sewer, involving 29,330 ft. 42-60 in. precast rein.-con. pipe and 122,389 cuyd. excav., to Security Bridge Co., 502 North 32nd St., Billings, Mont., $375,614. Noted June 23.

★**Que., Montreal**—City let contract building sewer in Mozart St. from Drolet to Belanger Sts., to L. P. Heffernan, 573 Rockland St., $25,300. Noted June 23.

★**Ont., Sturgeon Falls**—See "Waterworks"

Bridges

PROPOSED WORK

N. J., Trenton—Bd. Freeholders Mercer Co. had plans prepared for 250 ft. steel and concrete drawbridge, 32 ft. wide, with 60 ft. towers, on Southard St. over Pennsylvania R.R. tracks, involving 1,600 cu.yd. concrete, 1,000,000 lb. steel, and 2,000 tons stone, 10,000 bags cement, etc. About $200,000. J. A. L. Waddell, 35 Nassau St., New York City, consult. engr.

Md., Baltimore—See "Buildings."

North Carolina—State Highway Comn., at div. office, Kinston, soon receives bids building bridges and culverts on State Project 640, Wayne Co., involving 639 cu.yd. Class "A" concrete, 64,170 lb. reinforcing steel, 2,160 ft. untreated timber, and 750 ft. treated timber piles, etc. About $30,000. C. Upham, Raleigh, state highway engr.

Michigan—State Highway Dept., Lansing, plans to build Bridges 660401 and 660402, both 35 ft., rein.-con. arches, in Ontonagon Co. About $25,000.

Wis., Appleton—City plans to build 1,200-1,500 ft. bridge on Cherry St., probably rein.-con. E. L. Williams, clk. Engineer not selected.

Mo., St. Joseph—Buchanan Co. having plans prepared for steel truss span, concrete abutments over Platte River D. D. About $90,000. W. B. Hazen, Commercial Bldg., engr.

Okla., Muskogee—State Highway Dept., Oklahoma City, soon receives bids building following bridges for Muskogee Co.: Frisco Bridge, to have six 210 ft. pin or riveted spans, about $245,000; Whitefield Ferry Bridge, four 210 ft. pin or riveted spans, $200,000; Webber Falls Bridge, eleven 160 ft. pin or riveted spans, $400,000; all above to have concrete floors, asphalt or block surface. Burnham & Clont, Muskogee, engrs.

Tex., San Antonio—City opens bids about Aug. 15, building three 100 ft. rein.-con. bridges over San Antonio River, 30 ft. wide. About $94,000. H. Helland, city engr.

Utah, Riverdale—Weber Co., Ogden, plans to build combination bridge and viaduct over Weber River and tracks of Union Pacific R.R., here, to have 4 ft. sidewalk, 30 ft. clear roadway, 130 ft. steel truss over river, 130 ft. steel truss over tracks, 600 ft. rein.-con. viaduct and 1,540 ft. approaches. About $173,000. F. J. Fisher, Capitol, Salt Lake City, engr.

BIDS DESIRED

Mass., Attleboro—Until July 23, by P. E. Brady, mayor, constructing 2 bridges on Mechanic St.; advertised in this issue.

R. I., Warwick—Until July 27, by State Bd. Pub. Rds., Room 21, State House, Providence, constructing 3 spans rein.-con. arch bridge between here and Cranston; advertised in this issue.

N. Y., Rochester—Until Aug. 17, by C. L. Cadle, supt. Pub. Wks., Capitol, Albany, constructing approach from Clarissa St. to Barge Canal Terminal, here, Contr. 84; advertised in this issue.

Pa., Lewistown—Until July 25, by J. H. Saxton, boro clk., building 84 ft. single span arch bridge over Keshacoquillas Creek on South Main St., alternate bids for reconstructing existing 2 span arch. J. B. Long, Boyer Arcade, Norristown, and F. H. Shaw, Breneman Bldg., Lancaster, engrs. Noted June 30.

Kentucky—Until July 28, by State Highway Dept., Frankfort, building three 50-100 ft. steel span bridges on Edmonton-Glasgow Rd., Metcalfe Co., involving 600 cu.yd. concrete, 188,000 lb. steel, 20,000 ft. lumber; two 40-75 ft. steel span bridges on Burkesville-Edmonton Rd., Cumberland Co., 64,600 lb. steel, 10,300 ft. lumber; eleven 6-30 ft. span bridges on Winchester-Boonesboro Rd., Clark Co., 783 cu.yd. rein.-con., 65,100 lb. reinforcing steel, 209 cu.yd. stone; two 50 ft. steel spans on Glasgow-Edmonton Rd., Barren Co., 29 cu.yd. concrete, 6,270 lb. reinforcing steel, 57,600 lb. structural steel; 14 rein.-con. box culverts, 2 plain concrete abutments, 1 plain concrete pier on Glasgow-Edmonton Rd., Barren Co., 722 cu.yd. concrete, 18,400 lb. reinforcing steel; 21 rein.-con. box culverts and 4 cement rubble masonry abutments on Burkesville-Edmonton Rd., Cumberland Co., 358 cu.yd. concrete, 24,600 lb. reinforcing steel, 658 cu.yd. stone.

Kentucky—Until July 28, by State Highway Comn., Old Capitol Bldg., Frankfort, building five 30 ft., two 20 ft. and three 12 ft. span bridges and one 6 ft. span slab on present abutments on Winchester-Boonesboro Rd., State Project 50, Clark Co., involving 322 cu.yd. Class "A," 449 cu.yd. Class "B" and 12 cu.yd. Class "D" concrete, 65,100 lb. reinforcing steel, 222 sq.yd. asphalt surfacing, etc.; 14 rein.-con. box culverts, 2 concrete abutments and 1 concrete pier, on Glasgow-Edmonton Rd., State Project 1, Barren Co., involving 295 cu.yd. Class "A" and 427 cu.yd. Class "B" concrete, 18,400 lb. reinforcing steel, two 50 ft. steel spans, involving 28 cu.yd. Class "A" concrete and 6,270 lb. reinforcing steel in floor, and 57,600 lb. structural steel; 21 rein.-con. box culverts and 4 cement rubble masonry abutments on Burkesville-Edmonton Rd., Cumberland Co., involving 333 cu.yd. Class "A" and 25 cu.yd. Class "B" concrete, 658 cu.yd. cement rubble masonry and 24,600 lb. reinforcing steel, one 40 ft. and one 75 ft. spans involving 64,600 lb. structural steel and 10,300 ft. lumber in floors; one 100 ft., one 75 ft. and one 50 ft. steel spans on Edmonton-Glasgow Rd., State Project 1, Metcalfe Co., substructure involves 600 cu.yd. Class "B" concrete, superstructure 138,000 lb. structural steel and 20,000 ft. lumber in floors. J. S. Boogs, state highway engr.

O., Columbus—Until Aug. 15, by Bd. Trustees Ohio State University building 340 ft. concrete bridge over Olentangy River, on University grounds. About $124,000. Former bids rejected. C. T. Morris, Ohio State University Campus, engr. Noted April 28.

O., Fremont—Until July 27, by Comrs. Sandusky Co. building 350 ft. concrete bridge, 42 ft. wide, over Sandusky River. About $225,000. Braun, Fleming, Knollman & Prior, 233 South High St., Columbus, engrs. Noted July 7.

Ill., Decatur—Until July 27, by city, constructing Comford Bridge, 2 abutments and 2 piers. Three types to be submitted, cantilever, girder and second girder. About $260,000. P. T. Hicks, Decatur, engr.

Ill., East Peoria (Peoria P. O.)—Until July 29, by city, constructing 1 span rein.-con. bridge, brick approach, over Kickapoo Creek. About $30,000. Private plans.

Wis., Appleton—Until Aug. 3, by E. L. Williams, city clk., building 385 ft. rein.-con. bridge on Lowe St., to have 12 spans. About $150,000. Harrington, Howard & Ash, Orear-Leslie Bldg., Kansas City, Mo., engrs.

Wis., Burlington—Until Aug. 15, by city, building 100 ft. rein.-con. bridge, 36 ft. wide. Wisconsin Highway Comn., Madison, engrs.

Missouri—Until July 29, by State Highway Dept., Bethany, building 120 ft. steel truss, 60 ft. pony truss and 35 ft. I-beam span bridges, etc., over Big Creek, at Sta. 1251 plus 55, on state road from Eagleville to Bethany. Federal Aid Project 130, Harrison Co. About $38,816. A. Graham, Jefferson City, state highway engr. Noted June 16.

Mo., St. Louis—Until Aug. 9, by Bd. Pub. Serv. building 74 ft. steel truss span bridge, 40 ft. wide, on Natural Bridge Ave. About $35,000. E. R. Kinsey, pres. Private plans.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Athol**—Bd. Selectmen let contract building steel frame bridge, on Chestnut Hill Ave., to Boston Bridge Wks., 47 Winter St., Boston. About $25,000. Noted June 9.

★**Conn., Groton**—State Highway Dept., 240 Farmington Ave., Hartford, let contract constructing rein.-con. sub-structure and approaches for Mystic River Bridge between here and Stonington, to J. E. Fitzgerald Co., State and Maine Sts., New London, $73,063. Noted July 7.

Pa., Phila.—City received bids removing old bridge over Schuylkill River on South St. building new piers, dredging, etc., from Snare & Triest Co., Pennsylvania Bldg., $516,000; Keystone State Constr. Co., Franklin Bank Bldg., $558,000. Noted June 30.

South Dakota—State Highway Dept., Pierre, and city of Belle Fourche, opened bids July 6, building bridge on Oak St., over Belle Fourche River, from Allied Contractors, Inc., 4616 Harney St., Omaha, Neb., $29,432; Schreiber Constr. & Eng. Co., Watertown, S. D., $31,147; Pioneer Constr. Co., 515 New York Life Bldg., Kansas City, Mo., $31,578. Noted June 16.

Streets and Roads

PROPOSED WORK

North Carolina—State Highway Dept., Raleigh, plans to clear, grub, grade, drain, bridge and topsoil 15 mi. road from Bat Cave to Hendersonville, State Project 584, Henderson Co., about $100,000; 6 mi. road from Columbus to Tryon, State Project 585, Polk Co., $40,000. C. M. Upham, state highway engr.

Streets and Roads (Continued)

North Carolina — State Highway Comn., Raleigh plans to clear, grub, grade, drain, bridge and topsoil 10 mi. road from Brevard to Roseman, State Project 581 Transylvania Co., about $70,000, 14 mi. road from Franklin to Georgia State line, State Project 579, Macon Co., $98,000, 13 mi. road from Sylva to Transylvania Co. line, State Project 580, Jackson Co., $90,000; clear, grub,, grade, drain, bridge and surface with sand clay or topsoil, 10 mi. road from Forks of Ruckaseigee River to Transylvania Co. line, State Project 582, Jackson Co., $70,000; grade, drain, bridge and pave with some asphaltic material or concrete, 6 mi. road from Morganton to Glen Alpine, State Project 586, Burke Co., $185,000. C. M. Upham, state highway engr.

North Carolina—State Highway Dept., at div. office, Kinston, soon receives bids clearing, grubbing, grading, draining and paving 2.65 mi. State Project 516, Craven Co., involving 15 acres clearing and grubbing, 22,400 cu.yd. borrow, 15,700 cu.yd. excav., 14,850 sq.yd. concrete, topeka or asphalt, 68 cu.yd Class "A" concrete, 4,600 lb. reinforcing steel, etc. About $112,000. C. M. Upham, Raleigh, state highway engr.

Fla., Bradentown — Manatee Co. plans election to vote on $360,000 bonds to build 51 mi. roads, vitr. brick or asphalt.

Alabama — State Highway Dept., Montgomery, having surveys made grading, draining and surfacing 12 mi. road from Tuscumbia to Lawrence Co. line, Colbert Co. W. S. Keller, state highway engr.

O., Cleveland—M. Lees, 2099 Lamberton Rd. plans to lay 30,000 sq.ft. stone sidewalks and 1,800 ft. 12-24 in. vitr. sewer in Taylor Hurst Allotment. Wight-O'Rourke Co., Rose Bldg., engrs.

O., East Liverpool—City plans to pave California Rd., brick. About $42,000. J. George, city engr.

Michigan—State Highway Dept., Lansing, plans to grade, drain and surface 5 mi. State Trunk Line Rd. 26-6, Ontonagon Co., stamp sand 2½ mi. State Trunk Line Rd. 84-1, Machinac Co., macadam; 5 mi. State Trunk Line Rd. 48-5, Sect. B, Chippewa Co., macadam, 7 mi. State Trunk Line Rd. 21-13 Sects. B. E and F, St. Clair Co., 1 mi. State Trunk Line Rd. 31-8, Tuscola Co. F. F. Rodgers, state highway comr.

Michigan—State Highway Dept., Lansing, soon receives bids grading, draining and surfacing 6 mi. State Trunk Line Rd. 25-2, Sect. A, Luce Co., macadam 5 mi. State Trunk Line Rd. in Keweenaw Co., macadam 2 mi. State Trunk Line Rd. 38-4, Lapeer Co., gravel 4 mi. State Trunk Line Rd. 90-1, Sect. A, Dickinson Co., stone-gravel; 1¼ mi. State Trunk Line Rd. 13-10, St. Joseph Co., concrete or bituminous concrete. F. F. Rodgers, state highway comr.

Mich., Detroit—City plans to pave Centerline Ave. from north line of Erbie Ave. to lots 79 and 273 between Roland and Markel Aves., cost $33,600; Devereaux Ave, from Gilbert Ave. to alley east of Daniels St., $15,800; Marcus Ave. from Centerline Ave. to point 10 ft. east of VanDyke Ave., $19,700, all sheet asphalt on 8 in. concrete base; alley between Northfield, Ironwood, Ivanhoe and Spokane Aves., $5,280; alley between Beaubien, Oakland, Alger and King Aves., $5,290; alley between Iroquois, Burns, Goethe and Mack Aves., $4,410; alley between Seneca, Burns, Moffat and Chapin Aves., $5,380; east and west alley between Scotten, Hubbard, Spring and Lafayette Aves., $2,040; north and south alley between Goodwin, Cameron, Holbrook and Owen Aves., $2,070; north and south alley between Brush, Beaubien, Smith & Chandler Aves., $1,810, all alleys to be paved with one course rein.-con. C. W. Hubbell, city engr.

Mich., Muskegon—Muskegon Co. having plans prepared shaping road bed, trenching, forming shoulders and paving 2 mi. Assessment Dist. Rd. 9, involving 21,332 sq.yd. concrete or bituminous concrete. About $75,000. Muskegon Co. Rd. Comn., Court House, engrs.

Ill., Lincoln—City plans to pave 5th St., brick on concrete base. About $25,000. W. E. Bates, Lincoln, engr

Ill., Oak Park—City having plans prepared paving Chicago Ave., brick or asphalt on concrete base. About $193,561. G. H. Graves, Municipal Bldg., engr.

Ill., West Frankfort—City plans to pave Horn, Gardner and Lindell Sts., Paving Dist. 11, involving 6,205 sq.yd. vertical fibre on concrete base, 7,314 lin.ft. curbing and guttering, 2,640 cu.yd. earth excav., etc., cost $36 570; Elma, Emma, Jackson, Jefferson and Clark Sts., Paving Dist. 12, 6,600 sq.yd. vertical fibre, 8,076 lin.ft. curbing and guttering, 3,460 cu.yd. excav., etc., $37,099; various alleys in Paving Dist. "A," 7,935 sq.yd. concrete, 3,210 cu.yd. earth excav., $34,790; Lindell, Fourth, Emma and Jefferson Sts., Paving Dist. 8, 10,850 lin.ft. curbing and guttering 3,700 cu.yd. earth excav., 8,671 sq.yd. navaculite pavement, etc., $31,-223. E. A. Cox, West Frankfort, engr.

Ia., Des Moines—City soon receives bids paving West 16th St., brick on concrete base. About $25,000. K. C. Kastberg, city engr.

Kan., Augusta—City having plans prepared for 10,000 sq.yd. brick pavement, 6,000 ft. curbing and 400 ft. 30 in. sewer pipe. About $60,000. Ruckel Eng. Co., Hutchinson, engrs.

Missouri—State Highway Dept., Jefferson City, plans to build 3.76 mi. state road from Troy eastward and westward, State Aid Project 20.69, Lincoln Co., involving 20,097 cu.yd. earth and 854 cu.yd. rock excav., 4,080 cu.yd. borrow 244.5 cu.yd. Class B and 44.1 cu.yd. Class C concrete masonry, etc. About $25,344. A. Graham, state highway engr.

Tex., Nacogdoches—Nacogdoches Co. had plans prepared graveling 19.6 mi. road on Highway 35, 15 ft. wide. Cost $204,317. L. Acker, co. engr.

Col., Durango — City plans to pave 7 blocks Main St., 1:2:3 concrete, 6 in. thick. About $68,000. W. H. Wigglesworth, Durango, engr.

Utah—State Highway Comn., Salt Lake City, plans to grade and pave with concrete 1.83 mi. state road from Provo to Pleasant Grove, 18 ft. wide, 6-8 in. thick. About $57,100. H. C. Means, state road engr.

Utah, Ogden — City plans to grade and lay 132,549 sq.yd. concrete sidewalk, 4 in. thick, in Sidewalk Dist. 151. About $32,-832. J. M. Tracy, city engr.

Que., Montreal East—Municipality soon receives bids building roads. About $100,-000. J. A. Hurtebois, Montreal East, engr.

Ontario — Provincial Highways, Parliament Bldgs., Toronto, plans to improve Ottawa-Pembroke Rd. in Renefrew Co. About $150,000. G. Hogarth, Parliament Bldgs., Totonro, ch. engr.

Ont., Galt—City having plans prepared building asphaltic concrete pavement with concrete curbs and gutters on Beverley St. from Wellington St. to city limits, cost $50,890, also 20,000 lin.ft. concrete curbs and gutters on various other streets, $23,-505. D. T. Black, city engr.

Ont., Hamilton—City having plans prepared paving 20,000 sq.yd. Aberdeen Ave. from Dundum St. to Westinghouse factory, asphalt on concrete base. About $100,000. E. R. Gray, city engr.

BIDS DESIRED

Conn., New Haven—Until July 28, by Bureau of Eng. paving several streets, asphalt, bituminous concrete or national permanent pavement. Cost between $40,-000 and $50,000. E. S. Nettleton, city engr.

N. Y., Brooklyn—Until July 27, by E. Riegelmann, boro pres., Boro Hall, regulating and grading Delamere Pl. (East 23rd St.) from Ave. N to Kings Highway, 89th St. from Colonial Rd. to Narrows Ave.; regulating, curbing and laying sidewalks on Delamere Pl. (East 23rd St.) from Ave. N to Kings Highway; regulating, grading, curbing, laying sidewalks and paving Ave. L from Ocean Ave. to East 21st St. (Kenmore Pl.), Sheepshead Bay Rd. from Neptune Ave. to West 8th St., preliminary bituminous macadam; regulating and paving Lincoln Rd. and East New York Ave. from Nostrand to New York Aves., 17th Ave. from 49th to 42nd Sts., 18th Ave. from Ocean Parkway to Coney Island Ave., 79th St. from 18th to 19th Aves., permanent asphalt on 6 in. concrete foundation; regulating, grading, curbing and laying sidewalks, on Ave. S from East 13th to East 14th Sts., 18th Ave. from Ocean Parkway to Coney Island Ave.; regulating and laying sidewalks where necessary on both sides of 4th Ave. from 65th St. to Bay Ridge Ave.; regulating, resetting curb and paving 77th St. from 13th to 14th Aves., permanent asphalt on concrete foundation; regulating and curbing 89th St. from Colonial Rd. to Narrows Ave.; regulating and repaving Gold St. from Tillary to Johnson Sts. and Johnston St. from Gold St. to Flatbush Ave. Extension, asphalt on concrete foundation, Carroll St. from Gowanus Canal to 3rd Ave., Clinton St. from Warren to Baltic Sts., Warehouse Ave. from Neptune to Mermaid Aves., asphalt on present concrete foundation.

N. Y., Oswego—Until July 27, by Dept. Wks., City Hall, for 5,420 cu.yd. rein.-con. pavement including integral curb, etc. J. T. Collins, comr.; advertised in this issue.

New Jersey—Until July 27, by State Highway Dept., Broad St. Bank Bldg., Trenton, building Route 12, Sect. 1, beginning at Pine Brook and ending at Parsippany, Morris Co. in municipalities of Montville and Hanover, also building Bridges 84, 86, 88, and N and culverts M.P. 5.3-E and M.P. 4.7-E. C. A. Mead, 790 Broad St., Newark, bridge engr.; advertised in this issue.

N. J., Long Branch—Until Aug. 2, by Bd. Comrs. paving Ocean Ave. southwardly from Brighton Ave. to northern boundary line of Boro of Deal, Warrenite bitulithic on concrete foundation. J. W. Seaman, 192 Bway., city engr.; advertised in this issue.

N. J., Red Bank—Until Aug. 1, by Mayor and Boro Council, improving Broad St. (Sect. 2), sheet asphalt on concrete foundation; paving Shrewsbury Ave. (Sect. 2), rein.-con. G. K. Allen, 60 Broad St., boro engr.; advertised in this issue.

N. J., Trenton—Until Aug. 2, by Bd. Freeholders Mercer Co., paving 3 570 ft. Princeton Ave. from Spruce St. to Harneys Corner, rein.-con. H. F. Harris, co. engr.; advertised in this issue.

N. J., Trenton—Until Aug. 9, by Bd. Freeholders Mercer Co. surfacing Carter Rd., macadam on slag foundation. H. F. Harris, Court House, co. engr.; advertised in this issue. Noted May 26.

Pennsylvania—MacArthur Bros. Co., R. F. D. 5, Johnstown, Pa., or 120 Bway., New York City, receiving bids building 1 mi. one course rein.-con. pavement in western Pennsylvania; advertised in this issue.

Pennsylvania—Until Aug. 5, by State Highway Dept., Harrisburg, completing and reconstructing roads in following counties: Washington, Allegheny, Bucks, Butler, Cambria, Carbon, Centre, Chester, Crawford, Dauphin, Elk, Erie, Jefferson, Lackawanna, Lawrence, Luzerne, Lycoming, Mercer, Northumberland, Schuylkill, Sullivan, and Westmoreland. L. S. Sadler, state highway comr.; advertised in this issue.

Pa., Nanty-Glo—Until July 28, by R. C. McCullough, clk. Boro. Council, grading, paving and curbing 4,000 ft. 2nd., Chestnut, Roberts and Lloyd Sts., vitr. brick or concrete. About $50,000. D. E. Bradley, Trust Bldg., Ebensburg, engr.

Pa., Pittsburgh—Until July 27, by J. P. Moore, controller Allegheny Co. improving 2,225 ft. Lovedale Rd., 22 ft. wide, Elizabeth Boro. and Twp., 10,000 ft. Imperial and Clinton Rd., 18 ft. wide, Findlay Twp., 9 650 ft. Verona Rd., 25 ft. wide, Penn Twp., all foregoing to be paved with asphaltic concrete; 2,825 ft. Jacks Run Rd., 16 ft. wide, Ross Twp., Hillside brick; 10,-300 ft. Bakerstown and Warrendale Extension 2, 18 ft. wide, Pine and Marshall Twps., rein.-con.; 600 ft. Browns Hill Rd. 24 ft. wide, in city of Pittsburgh, brick block; 7,400 ft. Saxonburg Rd., 18 ft. wide, West Deer Twp., rein.-con.; reconstructing concrete culvert on Horning Rd., Baldwin Twp.

Pa., South Fork—Until Aug. 2, by W. Moore, clk. Boro. Council, paving, Maple, Grand and Court Sts., involving 4,474 sq.yd. brick on concrete base and 1,335 sq.yd. brick and slag base. Owen & Plummer, Inc., Otto Bldg., Johnstown, engrs.

Maryland—Until Aug. 2, by State Rds. Comn., 601 Garrett Bldg., Baltimore, paving 1 mi. state highway, Montgomery Co., Contr. M-22; 2 mi. in Montgomery Co., Contr. M-27; 5 mi. in St. Marys Co., Contr. SM-15; 1.5 mi. in Dorchester Co., Contr. D-24. J. N. Mackall, chn.; advertised in this issue.

Virginia — Until July 27, by Assistant Highway Comr., 166 South 3d St., Richmond, building 7.67 mi. State Rd. 10 between Rice and Burkville, soil, Federal Aid Project 127, Prince Edward Co.; 3.113 mi. State Rd. 8 between Champlane and Caret, gravel, Federal Aid Project 119, Essex Co.; 4.16 mi. State Rd. 10 between Glenoar and Lafayette, waterbound macadam, Federal Aid Project 93, Roanoke Co.; 9.77 mi. State Rd. 10 between Farmville and Prospect, 1.53 mi. concrete road alternate bid on bituminous macadam, 8.24 mi. soil road, Federal Aid Project 76, Prince Edward Co.; 1.61 mi. State Rd. 11 between Norton and Big Stone Gap, concrete road and alternate bid on concrete base with penetration top, Federal Aid Project 131, Wise Co.; building concrete bridge over Ossamoosick Swamp, Southampton Co.; 3 rein.-con. bridges over Mason Creek, between Salem and Catawba, Roanoke Co. C. E. Bolling, Richmond, highway engr.

S. C., Charleston—Until Aug. 9, by Street Dept., for 110,000 sq.yd. sheet asphalt pavement. J. H. Dingle, city engr.

S. C., Greenville—Until Aug. 1, by Greenville Co., surfacing 1 mi. Natl. Highway from here to Greer, involving 2,183 cu.yd. excav., 10,560 sq.yd. concrete surfacing;

Streets and Roads (Continued)

1.36 mi. Dixie Highway from Sta. 0 0 to Sta. 72, 2,879 cu.yd. excav., 14 400 sq.yd. concrete surfacing. H. P. Dill, superv.

S. C., Saluda—Until July 27, by Saluda Co., surfacing 9.98 mi. Saluda-Greenwood Rd., involving 37,769 cu.yd. excav., 31,249 cu.yd. topsoil surfacing. J. S. Rogers, co. superv.

Alabama—Until Aug. 16, by State Highway Comn., Montgomery, surfacing 6 mi. Scottsboro-Huntsville Rd., between Woodville and Limrock, Jackson Co., involving 162.74 cu.yd. Class A, 104 cu.yd. Class B and 54.40 cu.yd. Class C concrete, 13,814 lb. reinforcing steel, 9,393 cu.yd. stone surfacing, etc. W. S. Keller, state highway engr.

La., Gretna—Until Aug. 2, by F. T. Payne, city engr., building 82,000 sq.yd. sidewalks.

Tennessee—Until Aug. 5, by State Dept. Highways, Nashville, building 19.54 mi. State Highway 11, between Paris and Kentucky State line, Federal Aid Project 10, Henry Co., Sect. A includes 11.23 mi. from Paris to Cottage Grove Rd., involving 68,245 cu.yd. common, 428 cu.yd. dry and 394 cu.yd. wet excav., 24.74 cu.yd. Special, 854.62 cu.yd. Class A and 120.63 cu.yd. Class B concrete, 504 lin.ft. 18-24 in. culvert pipe, 105,400 sq.yd. 7 in. chert surface (16 ft. pavement) or 79,050 sq.yd. 6 in. concrete pavement (12 ft. pavement); Sect. B includes 8.31 mi. from Cottage Grove Rd. to Kentucky State line, 38,817 cu.yd. common, 1,192 cu.yd. dry and 1,629 cu.yd. wet excav., 20,124 cu.yd. borrow, 74.56 cu.yd. Special, 1,589.43 cu.yd. Class A and 214.99 cu.yd. Class B concrete, 224 lin.ft. 18-30 in. pipe, 78,003 sq.yd. 7 in. chert surface (16 ft. pavement) or 58,502 sq.yd. 6 in. concrete pavement (12 ft. pavement). D. I. McComb, ch. engr.

Tenn., Memphis—Until July 26, by City Comn. paving 5 streets involving 26,000 yd. sheet asphalt on concrete foundation. About $171,000. W. B. Fowler, city engr.

Kentucky—Until July 28, by State Highway Comn., Old Capitol Bldg., Frankfort, shaping, draining and surfacing with rock asphalt, bituminous macadam penetration or waterbound macadam 1.4 mi. road, State Project 3, Sect. 4., in Scottsville, Allen Co., from east to southwest corporate limits, involving 1810 cu.yd. unclassified excav., 2222 sq.yd. scarifying and reshaping, 1924 cu.yd. borrow excav., 206 cu.yd. Class A concrete in headwalls and culverts, 70 cu. yd. 1:3:6 concrete for encasing, etc.; shaping, draining and surfacing with waterbound macadam, waterbound macadam surface treated, or bituminous macadam penetration type. 6.2 mi. Somerset-Stanford Rd., State. Project 22, Sect. A, Pulaski and Lincoln Counties, involving 6 acres clearing and grubbing, 33,127 cu.yd. earth, 1685 cu.yd. solid rock and 6480 cu.yd. borrow excav., 475 cu.yd. Class A, 3 cu.yd. Class B and 2 cu.yd. Class D concrete, etc. J. S. Boggs, state highway engr.

O., Cleveland — Until July 30, by Bd. Comrs. Cuyahoga Co. grading and paving Bway. Rd. 3, involving 15,400 sq.yd. granite block, 16,000 cu.yd. grading and 2,600 cu. yd. 6 in. concrete base, etc., cost $201,695; Bway. Rd. 2, 17,400 sq.yd. granite block, 17,500 cu.yd. grading and 3,000 cu.yd. 6 in. concrete base, $223,987. W. A. Stinchcomb, Court House, engr.

O., Cleveland — Until Aug. 3, by Bd. Comrs. Cuyahoga Co., grading, paving and building sewers on Drake and Hunt Rds., involving 14,540 cu.yd. grading, 29,500 cu. yd. 5 in. macadam and 33,150 ft. 4 in. sewers. About $127,088. W. A. Stinchcomb, Court House, engr.

O., Dayton—Until Aug. 2, by Comrs. Montgomery Co. paving Far Hills Ave. and Germantown St. Former bids rejected. P. S. Bookwalter, co. surv. Noted June 23.

Mich., Detroit—Until July 25, by Dept. Pub. Wks., grading and paving with sheet asphalt on 8 in. concrete base, Canton Ave. from East Grand Blvd. to Harper Ave., Cascade Ave. from Joy Rd. to Burlingame Ave., Ford Ave. from 12th St. to Wabash Ave., Farnsworth Ave. from Russell to Riopelle Sts., Hilliger Ave. from Goethe to Mack Aves., Hamilton Ave. from Shoemaker to Harper Aves., Kerwin Ave. from Shoemaker to Harper Aves., St. Jean Ave. from Kercheval to Goethe Aves., Tuxedo Ave. from R. R. right of way to Linwood Ave., Wilson Ave. from Longfellow Ave. to Chicago Blvd., Webb Ave from Linwood to Dexter Aves, involving 30,656 cu.yd. excav., 55,267 sq.yd. sheet asphalt. C. W. Hubbell, city engr.

Ill., Benton—Until July 25, by city, paving Commercial, Madison and Joplin Sts., involving 11,191 sq.yd. concrete, 10,320 lin. ft. integral curbing and 6,050 cu.yd. earth excav. About $61,378. C. B. Mautz, city engr.

Ill., Quincy—City receiving bids paving various streets, vitr. brick on concrete base. About $40,000. L. L. Harper, Quincy, engr.

Wisconsin—Until July 27, by State Highway Comn., at div. office 5, Batavian Natl. Bank Bldg., LaCrosse, surfacing Alma-Mondovi Rd., Federal Aid Project 135, Sta. 0 to 192, Buffalo Co., involving 33,860 sq. yd. shale surfacing, 731 sq.yd. concrete surfacing, etc.

Wisconsin—Until July 28, by State Highway Comn., at div. office 9, Lancaster, grading and draining Dubuque-Platteville Rd., Federal Aid Project 100, Grant Co., involving 2,580 sq.yd. concrete surfacing; Bloomington-Lancaster Rd., Federal Aid Project 221, Grant Co., 5,651 sq.yd. concrete surfacing, 2,825 lin.ft. shoulders, 35 ft. span on Sta. 239 plus 17, 144.2 cu.yd. Class "A" concrete, 100 sq.yd. bituminous wearing surface; 1.16 mi. Sandy Hook Rd., Federal Aid Project 209, Grant Co., 739 cu.yd. earth excav., 122,747 cu.yd. borrow, 6,013 lin.ft. 8 x 8 ft. concrete curb, 7,198 sq.yd. concrete surfacing, 76,523 sq.ft. willow matting, 1,100 cu.yd featheredge gravel surfacing.

Ia., Greenfield—Until July 27, by Comrs. Adair Co., grading and surfacing with macadam, 4.08 mi. Primary Rd. 28, 16 ft. wide. About $60,000. Private plans.

Ia., Marshalltown—Until July 26, by Marshall Co., grading and draining Primary Rd. 6, Lincoln Highway. About $70,000. D. C. Elder, Marshalltown, engr.

Ia., Waverly—Until July 29, by Bremer Co., grading and draining 10.7 mi. Federal Aid Project 88, 16 ft. wide. About $150,000. C. A. Cool, Waverly, engr.

Minn., Duluth—Until Aug. 9, by W. H. Borgen, aud. St. Louis Co., surfacing with concrete 27 mi. road, 18 ft. wide, from Grand Rapids to county line at Keewatin. About $495,000. H. A. LeSeuer, Grand Rapids, engr.

Minn., Faribault—Until Aug. 16, by Rice Co., improving 10 mi. Job. 2104 State Rd. 20, 24 ft. wide, involving 6 acres clearing and grubbing, 82,000 cu.yd. earth, 3,000 cu.yd. loose rock and 3 200 cu.yd. solid rock excav., 109,814 cu.yd. overhaul, 250 cu.yd. concrete, 6,068 lin.ft. 12-24 in. concrete culverts or corrugated metal culverts, etc. About $33,000. J. C. McElherns, Faribault, engr.

Minn., Litchfield — Until July 25, by Meeker Co., improving 7 mi. State Rd. 4, Job 2101, between Dassel & Kingston, 24 ft. wide, involving 114,000 cu.yd. excav., etc.; 4 mi. State Rd. 4, Job 2103, between Union Grove and Swede Grove Twps., 25,415 cu.yd. excav., etc. G. H. Martz, Litchfield, engr. About $40,000.

Minn., Marshall—Until July 25, by Lyon Co., gravel surfacing 6 mi. Federal Aid Project 139, State Rd. 7, involving 1,750 cu.yd. stripping pit, 25,713 cu.yd. screening gravel, 31,560 linft. shaping and compacting. About $25,000. C. W. Anderson, Marshall, engr.

Kan., Council Grove—Until Aug. 10, by Comrs. Morris Co., paving, grading, draining and building bridges on 11 mi. Santa Fe Trail, 18 ft. wide, bituminous macadam, Federal Aid Project 62. About $350,000. Former bids rejected. J. McKenzie, Council Grove, engr. Noted May 5.

Kan., Iola—Until Aug. 12, Comrs. Allen Co., paving, grading, draining and building brdges on 4.018 mi. Ft. Scott-Wichita Highway, 18 ft. wide, concrete, Federal Aid Project 81. About $170,000. A. Stroup, Iola, engr.

Kan., Kansas City—Until July 27, by Comrs. Wyandotte Co., building 2.05 mi. Southwest Blvd., 18 ft. wide, concrete, brick or bituminous concrete, Federal Aid Project 85. About $75,000. O. K. Williamson, Kansas City, Mo., engr.

S. D., Watertown—Until Aug. 1, by city, paving 11 blocks, brick on concrete base. About $33,000. W. T. Cochrane, city engr. Noted June 9.

Missouri—Until July 29, by State Highway Dept., Bethany, building 22.54 mi. state road from Iowa state line southward through Eagleville, Federal and Project 130, Harrison Co., involving 125,133 cu.yd. earth excav., 14,545 cu.yd. borrow, 659.9 cu.yd. Class B and 287.7 cu.yd. Class C concrete masonry and 48,329 lb. reinforcing steel, etc. About $160,302. A. Graham, Jefferson City, state highway engr.

Mo., Hillsboro—Until July 30, by Jefferson Co. grading and gravel surfacing Project 20.64. About $25,208. Private plans.

Mo., Marshall—Until July 26, by city, care of C. D. Alexander, clk., paving Eastwood Ave., asphalt and macadam on concrete base. About $25,000. Shockley Eng. Co., Graphic Arts Bldg., Kansas City, engrs.

Utah, Ogden—City receiving bids grading and paving Distr. 131, 3 in. asphalt on 6 in. concrete base. About $55,000. J. M. Tracy, city engr.

Washington—Until Aug. 1, by State Highway Comn., Olympia, clearing grading, draining and paving with 1 course concrete 2 mi. Pacific Highway, from Island School House, south, Snohomish Co. J. Allen, state highway engr.

Cal., Modesto — Until July 29, by Bd. Supervs. Stanislaus Co., paving 4½ mi. Waterford Highway, topeka bitulithic or mastic type pavement.

Que., Montreal—Until July 27, by Chairman Administrative Comn., City Hall, paving two sections Cote St. Antoine Rd., cost $71,496, Belgrave Rd., $15,344. Vandome Ave., $13,165, all bituminous macadam. A. E. Doucet, dir. pub. wks.

Que., Montreal—Until Aug. 1, by Chairman Administrative Comn., City Hall, paving Cathcart, St. Julie, Emery, Viger, Perrault, Normand, Harvard and Wilson Sts., bituminous macadam. About $80,356. A. E. Doucet, dir. pub. wks.

Que., Montreal—Until Aug. 1, by Chairman Administrative Comn., City Hall, building 6 ft. sidewalks on Mansfield St., 4 ft. on Queen Mary and Cote St. Antoine Rds. and on Girourd and Beaconfield Aves., concrete. About $40.558. A. E. Doucet, dir. pub. wks.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Massachusetts**—State Highway Dept., Boston, let contract paving 4,466 ft. state highway, 18 ft. wide, in Danvers, bituminous macadam, to W. A. Jones, Barnstable, $24,591.

★**Massachusetts** — State Highway Dept., Boston, received bids July 12 paving 8 880 ft. state highway in Brookfield and West Brookfield, rein.-con., from T. F. McGovern, 95 Main St., Southbridge, $90,467; Middlesex Constr. Co., Medford, $101,556; F. T. Ley Co., 495 Main St., Springfield, $102 230; 28,500 ft. in Winchendon and Templeton, bituminous macadam, from Henman & Rudiger, Sturbridge, $207,748; Lane Constr. Co., 37 Colony St., Meriden, Conn., $209,029; T. J. McCue, Watertown, $218 028. Noted July 7.

★**Mass., Pittsfield**—City let contract paving Bank Row, Park Row and East St. from City Hall to Wendall Ave., brick, to D. J. Walsh, 107 Fenn St. About $31,000. Noted July 14.

★**New York**—S. Sisson, comr. State Highway Dept. 55 Lancaster St., Capitol, Albany, let contracts improving 3.99 mi. Part 1, Rd. 8021-A, Cortland Co., and 4.35 mi. Highway 8020, Broome Co., to C. T. Hookway, Bastable Bldg., Syracuse, $108 690 and $179,590 respectively; 2.28 mi. Rd. 1582, Erie Co. and 3.36 mi. Rd. 1585, Ontario Co., to Greece Constr. Co., Rochester $67,488 and $126,955 respectively; 2.1 mi. Rd. 1583, Erie Co., to Peoples Paving Co., 85 Roms Ave., Buffalo, $67,570; 2.51 mi. Rd. 1589 Part 1, Madison Co. to A. L. Carey, Rome, $69,458; 10.49 mi. Rd. 8046, Madison and Oneida Counties, to Lane Constr. Corp., 37 Colony St., Meriden, Conn., $322,818; 1.7 mi. Rd. 5633 Part 2, Oneida Co., to L. D. Sullivan Co., Inc., Utica. $69,450; 0.61 mi. Rd. 1591, Saratoga Co., to F. F. Baker, Mechanicville, $29,902; 3.67 mi. Rd. 1587, St. Lawrence Co to Spellman-Oliver Co., Lake St., Chateaugay, $109,710; 7.19 mi. Rd. 1536, Ulster Co., to F. T. Ley Co., Inc., Main St., Springfield, Mass. $301,872; 0.82 mi. Rep. Con. 1306, Broome Co., to Griffin & Griffin, Norwich, $21,507; 3.3 mi. Rep. Cont. 1307, Essex Co. to J. J. Fredella, Glens Falls, $109,639; .82 mi. Rep. Con. 1315, Monroe Co., to Sweeney & Boland, Rochester, $31,684; 5.15 mi. Rep. Con. 1295, Orange Co. to Armstrong & Trowbridge, Phoenicia, $66,951; 2.2 mi. Rep. Con. 1308, Rockland Co., to C. Vanderbilt Contg. Co., Inc., West New Brighton. $73,647; 2.61 mi. Rep. Con. 1318, Saratoga Co., to G. F. Cook, Glens Falls, $48,334; 2.13 mi. Highway 5663, Chautauqua Co. to J. J. Hart, Pittsburgh, Pa., $161,548; 11.31 mi. Highway 8045, Fulton and Saratoga Counties, to Brown, Lowe & Law Bros., Herkimer $359,165; 3.69 mi. Highway 1586, Part 2, Erie Co., to T. J. McDermott, 194 Abbott Rd., Buffalo, $129,784; 0.93 mi. Highway 1590, Part 1, Madison Co., to Norwich Construction Co., Norwich, Conn., $33,993; 0.45 mi. Highway 1584, Nassau Co., to W. H. Grady, New York City, $18,948; 0.4 mi. Highways 1157-A and 1159-A Oneida Co., to H. A. Schaupp, Inc., Albany, $10,751; 2.82 mi. Highway 8047, Otsego Co., to Dale Eng. Co., Mann Bldg., Utica $107,352; 0.32 mi. Highway 5599-D, Ulster

Streets and Roads (Continued)

Co., to S. B. Van Wagenen, Rondout, $43,597; 44 mi. Rep. Con. 1316 Fulton and Montgomery Counties, to R. Wemple, Fultonville, $22,508; 3.49 mi. Rep. Con. 1317, Madison Co., to H. W. Roberts & Co., 610 Lansing St., Utica, $94 932; 1.04 mi. Rep. Con. 1312, Nassau Co., to E. M. Underhill & Son, Glen Cove, $14,504; 1.51 mi. Rep. Con. 1313, Ontario Co., to Hendrickson-McCabe Constr. Co. Inc., Syracuse, $42,935; 2 mi. Rep. Con. 1296, Orange Co., to Monticello Constr. Co., Monticello, $64,756; 68.44 mi. Rep. Con. 1309, Schuyler, Tompkins and Yates Counties, to P. D. Conley Constr. Co., Inc. 338 East State St., Ithaca, $29,709; 1.32 mi. Rep. Con. 1297, Suffolk Co., to World Industrials Corp., New York City, $48,477. Noted June 9 and 23.

★**New York**—State Highway Dept., 55 Lancaster St., Capitol, Albany, let contracts improving 1.32 mi. Fredonia Village; West Main St., Highway 5664, Chautauqua Co., to E. J. Balley, Brocton, $82,340; 2.94 mi. Pennsylvania State Line—Westfield; Part 2, Highway 8044, Chautauqua Co., to Harrison Eng. & Constr. Co., Ellicott Sq., Buffalo, $109,140; 3.67 mi. Solon-Gee Brook, Part 2 and Gee Brook-Cincinnatus, Highway 8055, Cortland Co., to D. W. Robbins, Inc., Utica, $138,629; 4.98 mi. Deposit-Rock Rift, Part 1, Highway 8050, Delaware Co., to A. C. Sternberg, West Hartford, Conn., $216,488; 4.13 mi. Ashland-Windham, Highway 8051, Greene Co., to Schunnemunk Constr. Co. Highland Falls, $119,680; 3.98 mi. Cairo-Windham, Part 3, Highway 8053, Greene Co. and 6.45 mi. Massena-Winthrop Part 2, Highway 8057, St. Lawrence Co., to Lane Constr. Co., 37 Colony St., Meriden, Conn., $180,225 and $161,080 respectively; 3.2 mi. West Junius-Waterloo, Part 1, Highway 8056, Ontario and Seneca Counties, to E. W. Foley Contg. Corp., Waterloo, $106,058; 8.81 mi. Naples-Middlesex, Highway 8054, Ontario and Yates Counties, to Carey-Campbell Co., Inc., 90 Wall St., New York City, $338,167; 1.95 mi. De Freestville-West Sand Lake, Part 1, Highway 8058, Rensselaer Co., to Troy Paving Co., Troy, $87,210; 5.46 mi. Petersburg-North Petersburg, Highway 8059, Rensselaer Co., to D. J. Walsh, 311 North St., Pittsfield, Mass., $184,562; 5.74 mi. Canton Village: River St. Highway 1588, and Canton-Madrid, Part 1, Highway 8052, St. Lawrence Co., to H. P. Burgard Co., 1968 Fillmore Ave., Buffalo, $146,132; 4.03 mi. Addison-Rathbone, Highway 1598, Steuben Co., to F. J. Foote Co., Inc., Nunda, $147,363; 2.85 mi. Troupsburg-Centen-Jasper, Part 1, Highway 1599, Steuben Co., to W. L. Collins, Hornell, $76,210; 0.56 mi. County Highway 530, Rep. Con. 1325, Erie Co., to Green & Lanctot House Wrecking Inc., 326 Niagara St., Buffalo, $15,672; 0.81 mi. Highways 5020 and 5090, Rep. Con. 1310, Genesee Co., to Wing & Munger, Holley, $32,638; 3.66 mi. Highways 53, 54 and 520, Rep. Con. 1319, Westchester Co., to R. W. S. Corp., 30 Church St., New York City, $140,857; 3.33 mi. Rd. 1182, Rep. Con. 1324, Jefferson Co., to Bricon Constr. Co., Inc., Buffalo, $45,428. Noted June 30.

N. Y., Brooklyn — E. Riegelmann, boro pres., Boro Hall, opened bids July 13, regulating and paving (1) Lott Ave. from Bristol to Chester Sts., (2) Lott Ave. from Sackman to Powell Sts., (3) Malta St. from Hegeman to Lorraine Aves., (4) Osborn St. from Lott to Hegeman Aves., (5) Stone Ave. from Lott to New Lots Aves., (6) 78th St. from 18th to 20th Aves., asphalt on 6 in. concrete foundation; regulating and repaving (7) Decatur St. from Howard to Bushwick Aves., asphalt on present concrete foundation, (8) Conover St. from Sullivan to Wolcott Sts., (9) 82d St. from Narrows Ave. to Colonial Rd., asphalt on 6 in. concrete foundation, (10) Metropolitan Ave. from North 7th St. to Bushwick Ave. (11) Ocean Ave. from Woodruff Ave. to Dorchester Rd.; regulating and resurfacing (12) Sheepshead Bay Rd. from West 8th St. to Ocean Parkway; regulating, grading, curbing and laying sidewalks on (13) Dikeman St. from Dwight to Otsego Sts., (14) 78th St. from 18th to 20th Aves.; regulating and grading, (15) Malta St. from Lorraine to Stanley Aves., from

Borough Asphalt Co., 1301 Metropolitan Ave., (1) $3,732, (2) $3,378, (3) $8,032, (4) $7,817, (5) $9,783, (6) $18,158, (7) $30,573, (8) $12,850, (9) $9,759, (11) $196,461.

Uvalde Asphalt Paving Co., 1 Bway., New York City, (1) $4,266, (2) $3,834, (3) $9,080, (4) $8,782, (5) $10,879, (7) $33,093, (9) $10,297.

Cranford Co., 152 9th St., (1) $3,857, (2) $3,496, (3) $8,297, (4) $8,084, (5) $10,142, (6) $19,327, (7) $29,974, (9) $10,586, (11) $120,443.

Sicilian Asphalt Paving Co., 41 Park Row, New York City, (7) $29,197

Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., (6) $14,102, (8) $9,626, (9) $7,941, (11) $76,073.

C. Gallagher, 745 Dean St., (12) $10,037.

M. J. O'Hara, 1228 Park Ave., New York City, (12) $11,518.

Welsh Bros. Contg. Co., 32 Queens St., Astoria, (10) $64,576.

M. I. Sachs, 246 South 9th St., (10) $66,312.

T. F. Mahr, (10) $66,233.

T. Walsh, 820 Classon Ave., (13) $885.

Williams Constr. Co., (13) $880, (14) $7,548.

Simonelli & Son, Inc., $896.

Grimm Constr. Co., 170 McKinley Ave., (15) $1,977.

Hygrade Builders Supply Co., 6th St. and 2d Ave., (15) $9,484.

L. Mangieri, 190 31st St., (14) $7,436.

P. Carbone, 95 Bay 25th St., (14) $7,618. Noted July 7.

N. Y., Brooklyn—Park Bd. at office of Dept. Parks, Municipal Bldg., New York City, opened bids Juy 14, improving Ocean Parkway between Coney Island Creek Bridge and Coney Island Concourse, from C. Gallagher, 745 Dean St., $24,899; M. J. O'Hara, 1228 Park Ave., New York City, $37,817; E. F. Monohan, 1921 Morris Ave., New York City, $41,889. Noted July 7.

★**N. Y., New York**—H. Bruckner, pres. Bronx Boro., let contracts to C. D. Beckwith, 301 West 108th St., regulating and grading, etc., Eagle Ave. from East 161st to East 163d Sts., cost $8,785, East 160th St., $4,162, Findlay Ave., $5,244; to C. F. Farrell Contg. Co., New York City, Seymour Ave., $2,971; to J. Meehan & Son, 74 Cortlandt St., Eagle Ave. from East 149th to East 161st Sts., $74,423; to R. Towers Co., Brook Ave., etc., $9,535; to Hastings Paving Co., 25 Broad St., East 180th St., $22,270; to Gross Contg. Co., Inc., East Tremont Ave., $10,300. Noted July 7 and 14.

N. Y., New York—H. H. Curran, pres. Manhattan Boro., Municipal Bldg., received bids July 11, regulating and repaving (1) Hancock St. from Houston to Bleecker Sts.; widening and repaving (2) Lexington Ave. from 41st to 42nd Sts., (3) 36th St. from Madison Ave. to Bway., (4) 37th St. from 5th to 7th Aves., sheet asphalt on concrete foundation, from Cleveland Trinidad Paving Co., Flushing, (1) $9,303, (2) $12,506, (3) $44,575; Sicilian Asphalt Paving Co., 41 Park Row, (1) $10,233, (2) $11,895, (3) $52,011, (4) $49,218; C. D. Beckwith, 301 West 108th St., (2) $11,768, (3) $45,702, (4) $51,332. Noted July 7.

★**N. Y., New York**—Park Bd., at office of Dept. Parks, Municipal Bldg., let contract repaving Bronx and Pelham Parkways, etc., Bronx, to W. P. McDonald Constr. Co., 17 West 42d St., $89,527. Noted June 23.

★**N. J., Lambertville** — City let contract paving Main, York and Bridge Sts., asphalt, to J. F. Burke, 309 Park Ave., Plainfield. About $38,000. Noted June 30.

★**Pennsylvania** — State Highway Dept., Harrisburg, let contract building Route 94, Warren Co., to Standard Paving & Contg. Co., 1361 West Lake Ave., Lakewood, O., $340,616. Noted June 30.

★**Pa., Pittsburgh**—City let contract grading, paving and curbing Washington Blvd. to J. H. McQuade & Sons Co., Bakewell Bldg., $65,502; repaving Ward St. with asphalt, to M. O'Herron, 1st and McKean Sts., $31,984.

★**W. Va., Harrisville**—Ritchie Co. let contract grading and draining .64 mi. Cairo-Nutter Farm Rd., known as Shields Hill, Grant Dist., to N. Law, Cairo. Noted June 30.

★**North Carolina**—State Highway Dept., Raleigh, let contract clearing, grubbing, grading, bridging, and monolithic brick paving on cement mortar base, 9¼ mi. road from Elizabeth City toward Winton, State Project 613, Pasquotank Co., to Pasquotank Co. Highway Comn., Elizabeth City. About $275,000.

★**S. C., Columbia**—Richland Co. let contract building 18.5 mi. Newberry Rd., concrete, to Chatham Paving Co., Savannah, Ga. $489,253.

★**Alabama**—State Highway Comn., Montgomery, let contract grading, draining and surfacing 3.48 mi. Alexander City-Jackson Gap Rd., Project 78-A, Tallapoosa Co., involving (a) 24,930 cu.yd. common excav., (b) 3,097 cu.yd. solid rock excav., (c) 32,685 sq.yd. bituminous macadam surfacing 2½ in. penetration, (d) 7,265 cu.yd. slag base 1 mi. haul, (e) 21,600 cu.yd. slag base ½ mi. additional haul, to L. C. Rawlinson Bell Bldg., Montgomery, (a) $0.35, (b) $1.50 (c) $1.15, (d) $2.50, (e) $0.20, etc., total $78,139. Noted July 21.

★**Louisiana**—State Highway Dept., New Orleans, let contract gravel surfacing 10.02 mi. Melville-Palmetto Highway, Sects. B and C, Project 19, Landey Parish, to S. A. Gano, Room 215, Maison Blanche Bldg. About $33,000.

★**O., Akron**—Director Pub. Serv. let contracts resurfacing Main St., involving 9,150 sq.yd. asphalt, 4,000 lin.ft. curbing and 1,150 ton binder also paving Noah and Diagonal Rds., 6,190 sq.yd. asphalt on concrete base, 3,360 lin.ft. curbing, to Columbus Asphalt Paving Co., 708-2nd Natl. Bldg., $41,402 and $38,573 respectively; resurfacing Wooster Ave., 11,240 sq.yd. asphalt and 2,000 sq.yd. concrete base, to T. E. McShaffrey Co., Forge St., $58,654.

O., Cleveland—City received bids grading and paving grade crossing eleminations along New York, Chicago & St. Louis Ry. from Detroit to Fulton Rds., involving 134,000 sq.ft. brick and 24,200 sq.ft. granite block, 8,200 yd. grading, 121,900 sq.ft. concrete base and 7,000 lin.ft. 20 in. stone curbing, etc., from Roehl Bros., West 25th St. and Clark Ave., $122,877; Rieley Bros., The Arcade, $123,076.

★**O., Cleveland**—Cuyahoga Co. let contract improving Wallings Rd., to Ohio Constr. Co., Elyria, $79,615. Noted July 7.

★**O., Cleveland Heights** (Warrensville P. O.)—J. A. Wigmore & Co., East 13th St. and Euclid Ave., Cleveland, let contract grading, curbing and paving Meadowbrook Blvd. and Kildare Rd., involving 10,550 sq. yd. asphalt, 3,500 cu.yd. grading, 94,950 sq.ft. 6 in. concrete base, etc., to Cleveland Trinidad Paving Co., The Arcade, Cleveland, $24,906 and $26,734 respectively. Noted July 14.

★**O., Columbus**—W. H. Duffy, dir. Pub. Serv. let contract grading, draining, curbing and paving 1,735 ft. Broad St. from Anson to Sandusky Sts., asphalt, to Franklin Asphalt Paving Co., 209 South High St., $43,911. Noted July 7.

★**O., East Cleveland** (Cleveland P. O.)—City let contract grading and paving Grayton Rd., Helmsdale, Caledonia and Shawview Aves., to Cleveland Trinidad Paving Co., The Arcade, Cleveland. About $35,000. Noted July 7.

★**Mich., Charlotte**—State Highway Dept., at office Bd. Rd. Comrs. Eaton Co., let contract grading, draining and surfacing State Trunk Line Rd. 29-2, Sect. B, to Williston Constr. Co., South Bend, Ind., $26,453. Noted June 23.

★**Mich., Detroit**—City let contract paving John R. St. from Six Mile Rd. to Seven Mile Rd., sheet asphalt on 8 in. concrete foundation, Amherst or Berea curbstone, to O. R. Cooke, 1260 Penobscot Bldg., $132,255. Noted July 7.

Mich., Detroit—City received bids grading and paving with sheet asphalt on 8 in. concrete base following avenues: (1) American, (2) Anderdon, (3) Arlington, (4) Army, (5) Baylis, (6) Collingwood, (7) Charlevoix, (8) Cavalry, (9) Emmons, (10) Highland, (11) Ladue, (12) Lawrence, (13) Medbury, (14) May, (15) Monica, (16) Montclair, (17) Piquette, (18) Prairie, (19) Raymond, (20) Sturtevant, (21) Stoepel, (22) Stair, (23) Taylor, (24) Woodside, from Detroit Asphalt Paving Co., 20 McGraw Bldg., (1) $15,370, (2) $39,167, (3) $49,426, (4) $21,749, (5) $46,491, (6) $9,553, (7) $88,282, (8) $43,706, (9) $11,853, (10) $4,678, (11) $8,433, (12) $23,158, (13) $9,853, (14) $7,019, (15) $13,715, (16) $34,017, (17) $21,451, (18) $40,553, (19) $6,639, (20) $24,824, (21) $16 615, (22) $24,925, (23) $33,711, (24) $19.952; Cleveland Trinidad Paving Co., 402 Hammond Bldg., (1) $15,524, (2) $40,024, (3) $49,907, (4) $22,048, (5) $45,603, (6) $9,644, (7) $89,420, (8) $44,057, (9) $11,931, (10) $4,605, (11) $8,503, (12) $22,738, (13) $10,102, (14) $7,097, (15) $13,842, (16) $34,622, (17) $21,831, (18) $41,070, (19) $6,720, (20) $24,230, (21) $16,778, (22) $25,025, (23) $33,373, (24) $20,153. Noted June 23 and 30.

Mich., Port Huron—State Highway Dept. at dist. office, Port Huron, let contract grading and surfacing 5.72 mi. State Trunk Line Rd. 27-13, St. Clair Co., to J. C. O'Conner & Sons, Ft. Wayne, Ind. Work involves 301 sta. grading, $20, 60,279 sq.yd. concrete, $2.62. Total cost $163,961. Noted June 30.

★**Mich., Mason**—State Highway Dept. at office Bd. Rd. Comrs. Ingham Co., let contract grading, draining and surfacing 1.347 mi. State Trunk Line Rd. 14-34, to W. H. Ryan, Jackson. Work involves 8,095 cu.yd. excav., $1, 15,785 sq.yd. concrete, $2.86. Total cost $58,588. Noted June 30.

★**Mich., Sheboygan** — State Highway Dept., at office Bd. Rd. Comrs., Sheboygan Co., let contract grading, draining and surfacing 1.478 mi. State Trunk Line Rd. 10-15, to J. E. Johnson, Schirmer Bldg., Saginaw; work involves 3,455 cu.yd. excav., $0.75, 198 lin.ft. 12 in. encased tile culvert, $2.25, 16,424 sq.yd. concrete pavement, $2.63, total cost $51,749; 5.146 mi. State Trunk Line Rd. 18-1, Sect. B, involving

Streets and Roads (Continued)

23,343 cu.yd. excav., 48,166 sq.yd. gravel, to Beaverton Constr. Co., Beaverton, $42,-662.

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, received bids July 12 paving (1) 3.81 mi. Route 1, Sect. 1, Clarke Co., (2) 2.99 mi. Route 2, Sect. 1, Jackson Co., (3) 5.99 mi. Route 2, Sect. 7, Perry-Washington Co., (4) 5.14 mi. Route 2, Sect. 8, Washington Co., (5) 11.13 mi. Route 2, Combination A, Perry-Washington Co., (6) 3.43 mi. Route 2, Sect. 18, Alexander Co., (7) 6.25 mi. Route 4, Sect. 10, Livingston Co., (8) 5.68 mi. Route 4, Sect. 12, Livingston Co., (9) 7.95 mi. Route 4, Sect. 13, McLean-Livingston Co., (10) 13.63 mi. Route 4, Combination B, McLean-Livingston Co., (11) 19.88 mi. Route 4, Combination C, McLean-Livingston Co., (12) 7.28 mi. Route 5, Sect. 11, McHenry Co., (13) 6.12 mi. Route 5, Sect. 12, McHenry Co., (14) 13.4 mi. Route 5, Combination D, McHenry Co., (15) 3.98 mi. Route 5, Sect. 13, Boone Co., (16) 4.43 mi. Route 5, Sect. 14, Boone Co., (17) 3.09 mi. Route 5, Sect. 15, Boone Co., (18) 11.5 mi. Route 5, Combination E, Boone Co., (19) 24.9 mi. Route 5, Combination F, McHenry-Boone Co., (20) 2.98 mi. Route 7, Sect. 1, Rock Island Co., (21) 2.54 mi. Route, 7, Sect. 2, Henry Co., (22) 5.52 mi. Route 7, Combination G, Rock Island-Henry Co., (23) 8.44 mi. Route 7, Sect. 4, Henry Co., (24) 2.38 mi. Route 10, Sect. 11, Champaign Co., (25) 4.93 mi. Route 10, Sect. 2, Champaign Co., (26) 5.04 mi. Route 10, Sect. 3, Champaign Co., (27) 12.35 mi. Route 10, Combination H, Champaign Co., (28) 3.58 mi. Route 10, Sect. 13, Macon Co., (29) 3.63 mi. Route 10, Sect. 14, Macon Co., (30) 3.95 mi. Route 10, Sect. 15, Macon Co., (31) 11.16 mi. Route 10, Combination L, Macon Co., (32) 6.12 mi. Route 10, Sect. 24, Sangamon-Morgan Co., (33) 6.42 mi. Route 10, Sect. 25, Morgan Co., (34) 12.54 mi. Route 10, Combination J, Sangamon-Morgan Co., (35) 3.41 mi. Route 25, Sect. 1,Effingham Co., (36) 5.24 mi. Route 28, Sect. 1, Knox Co., (37) 4.73 mi. Route 28, Sect. 2, Knox Co., (38) 9.97 mi. Route 28, Combination K, Knox Co., (39) 4.36 mi. Route 31, Sect. 7, Brown Co., from

Arnold & Co., Casey, (1) $75,736.

A. J. Parrish, Paris, (1) $81,896.

J. W. Etchison, Casey, (1) $84,909, (35) $59,943.

L. Rich Constr. Co., 429 Missouri Ave., East St. Louis, (2) $90,207, (3) $160,889, (4) $143,440, (5) $302,000.

Hamilton Constr. Co., Carbondale, (2) $95,030.

Madison Constr. Co., Edwardsville, (2) $95,914.

Barnes & Varhey Constr. Co., Effingham, (3))$164,534, (4) $148,545, (5) $300,460, (5) $106,871, (24) $50,980, (25) $106,871, (26) $111,999, (27) $260,000.

H. H. Hall Constr. Co., Murphy Bldg., East St. Louis, (4) $191,198, (5) $356,000.

J. Kesl & Son, Edwardsville, (4) $166,711.

F. T. Williams, Decatur, (6) $69,868.

G. Biergois, Cairo, (6) $73,435.

Cameron Joyce & Co., Keokuk, Ia., (6) $74,394, (7) $151,056, (8) $165,793, (9) $197,143, (22) $141,384, (24) $56,549, (25) $109,818, (26) $114,746, (27) $276 345, (28) $85,973, (29) $86,985, (30) $95,106, (31) $266,065, (32) $160,042, (37) $116,648, (39) $114,863.

C. J. Moritz, Inc., Effingham, (7) $192,-982, (9) $212,238.

C. E. Carson Co., 155 North Clark St., Chicago, (7) $192,214, (8) $197,212, (11) $630,000, (18) $300,000.

J. H. Dunnegan Shenendoah, Ia., (8) $183,993, (9) $221,139, (10) $395,000, (13) $137,244, (15) $87,203, (20) $73,191, (21) $57,331, (22) $125,000, (23) $206 319, (36) $125,634, (37) $114,579, (38) $239,500.

Bates & Rogers Constr. Co., 38 West Van Buren St., Chicago, (11) $581,864, (14) $391,339, (18) $306,641, (19) $107,367, (38) $287,961.

F. P. Nelson, 1753 Franklin St., Racine, Wis., (12) $165,000, (13) $129,098, (16) $111,512, (17) $64,636.

Federal Paving Co., 133 West Washington St., Chicago (12) $185,578, (13) $129,-281, (15) $88,074, (17) $64,351, (19) $569,-999, (21) $62,678, (39) $164,853.

R. R. Birdsall, Racine, Wis., (14) $332,-283, (18) $291 951.

Boone Co. Bd., Rockford, (15) $91,543, (16) $113,067, (17) $68,392.

Hart & Page, 110 North Court St., Rockford, (16) $112,937.

Central Eng. Co., 711 Putnam Bldg., Davenport, Ia., (20) $82 392, (21) $63,374, (22) $143,000, (23) $228,224.

A. F. Crenkenschua, Rock Island, (20) $82,435.

Keokuk Quarry & Contg. Co., Keokuk, (22) $228,667, (39) $120,611.

C. E. Jouard, Montezuma, Ind., (24) $53,894, (25) $111,778.

C. W. Clark, Clinton, Ind., (26) $115,860.

W. C. Mensely, Frankfort, Md., (27) $280,000.

Macon Co. Bd., Court House, Decatur, (28) $73,966, (29) $75,211, (30) $80,992.

R. T. Williams, Wyatt, Mo., (28) $89,-450, (29) $91,035, (30) $98,196.

W. D. Louergau, New Madrid, Mo., (32) $140,455, (33) $148,173, (34) $288,629.

Unit Constr. Co., Title Guaranty Bldg., St. Louis, Mo., (32) $146 480, (33) $151,399, (34) $297,879.

H. K. Rhodes, Lincoln, (33) $166,739, (34) $322,212.

Fennell & Toothaker, Fairfield, (35) $59,774.

J. Mackler & Co., Chicago Heights, (36) $128,224.

L. S. Kuhn, Bloomington, (36) $131,798, (37) $120,151, (38) $223,501. Noted July 7.

★**Ill., Bloomington**—City let contract paving 4.67 mi. various streets, 24 ft. wide, vitr. brick on concrete base, to I. D. Latin, Bloomington. About $120 000.

★**Ill., Joliet**—City let contract paving Glenwood Ave., asphalt on concrete base, concrete curbs and gutters, to J. V. McCarthy Co., Joliet. About $25,000. Noted June 30.

Wisconsin—State Highway Comn., at div. office 1, 149 East Wilson St., Madison, received bids July 14, grading and surfacing 2.98 mi. Reedsburg-LaValle Rd., Federal Aid Project 175, involving (a) 1.5 acres clearing and grubbing (b) 20,842 cu. yd. earth excav., (c) 5,056 cu.yd. surfacing, (d) 311.5 cu.yd. Class A concrete in culverts, (e) 325.5 cu.yd. Class A concrete in bridges, from Garvey & Weyenburg Co., 812 College St., Appleton, (a) $200, (b) $0.60, (d) $25.25, (e) $27.20, etc., total $32,269, M. O. Carter, Richland Center, (a) $150, (b) $0.56, (c) $1.45, (d) $19.50, (e) $23, etc., total $36,108, McGucken Constr. Co., 425 East Water St., Milwaukee, (a) $150, (b) $0.55, (d) $22, (e) $25., etc., total $37,567; 8 mi. Middleton-Cross Plains Rd., Federal Aid Project 200, (a) 2.5 acres clearing and grubbing, (b) 45,139 cu.yd. earth excav., (c) 778 cu.yd. cement in place, (d) 518.7 cu.yd. Class A concrete in culverts, from Hoffman & Meek, Black River Falls, (a) $75, (b) $0.49, (c) $2.25, (d) $18.875, etc., total $23,416, W. McGavock, Beloit, (a) $170, (b) $0.53, (d) $21.50, etc., total $45,526, J. Marsh, 1307 Wrightwood Ave., Chicago, (a) $100, (b) $0.54, (c) $2.60, (d) $23, etc., total $48,695. Noted July 7.

★**Wis., Fond du Lac**—Fond du Lac Co. let contract concrete surfacing State Trunk Highway 23, to Vanderboom & Sons, 115 19th St., Milwaukee, $58,721.

★**Wis., Kenosha**—Wisconsin Gas & Electric Co., Pub. Serv. Bldg., Milwaukee, let contract paving 2,000 lin.ft. Main St. from Grand Ave. to South St., brick and creosoted blocks, to J. Cape & Sons, 468 Water St., Racine. Noted March 31.

★**Wis., Waukesha**—Waukesha Co. State Rd. and Bridge Comn. let contract building Oconomowoc Co. line road involving 12,200 sq.yd. concrete surfacing, 3,741 cu.yd. grading, 21.7 cu.yd. concrete in culverts, to J. R. Griffity, Racine, $35,060.

Wis., West Allis—City received bids paving with asphalt, rein.-con. or vibrolithic 48th, 53rd, 61st, 66th, 67th and National Aves., involving (1) 32,156 sq.yd. asphalt, (2) 14,491 cu.yd. grading, etc., (3) $5,955 sq.yd. rein.-con. or vibrolithic, from White Constr. Co., Trust Co. Bldg., Milwaukee, (1) standard $3.60 and $3.40, (light traffic) $3.40 and $3.15, etc., (2) $1; Milwaukee General Constr. Co., (2) $1.20, (3) $2.67 and $2.87. Noted June 29.

★**Ia., Boone**—Boone Co. let contract paving primary road from Greene Co. line to Ogden, to W. V. Flynn, Grimes. About $65,000. Noted July 14.

★**Ia., Des Moines**—City let contract grading and paving Southwest 12th St. from Watrous to Park Aves., brick, to W. Wright, 2416 East Walnut St. About $25,000.

★**Ia., Manchester**—Delaware Co. let contract grading and gravel surfacing 12.444 mi. Dyersville-Manchester Primary Rd., to Beyers & Wilson, Peoria, Ill. About $180,-000. Noted June 23.

★**Minn., St. Paul**—City let contracts paving Hastings Ave. from Earl St. to Port Douglas Rd. and repaving Port Douglas Rd. from Hastings Ave. to south city limits, crushed rock, to Hanlon & Okes, 338 Lumber Exch. Bldg., Minneapolis, $168,370; draining Hastings Ave. from Eral St. to Point Douglas Rd., involving 2,931 ft. 12-36 in. Class "A" corrugated metal pipe, to Lyle Culvert & Rd. Equipment Co., 171 27th Ave., S. E., Minneapolis, about $7,191; 2,186 ft. 6-15 in. vitr. clay pipe and 275 bbl. portland cement, to Gopher Lime & Cement Co., Griggs and Fuller Sts., $1,792 and $2.55 delivered; 225 cu.yd. screened gravel and 150 cu.yd. screened sand, to Conroy-Clewett Co., Globe Bldg., $2.90 and $1.70 per cu.yd. delivered. Noted June 29.

Minn., St. Paul—City received bids paving Jefferson Ave. from Snelling to Fredericks Aves., asphaltic concrete, from Fielding & Shepley, 216 University Ave., $27,449; Maryland St. from Payne to Duluth Aves., clay bricks, from Feyen Constr. Co., 277 Burgess St., $74,645; Fielding & Shepley, 216 University Ave., $80,664; Schruth & Jackson, 633 Plymouth Bldg., Minneapolis, $81,109. Noted June 29.

★**Minn., St. Paul**—Ramsey Co. let contract grading and paving 2 mi. Larpenteur Ave. from Snelling Ave. to county line, concrete, to E. M. Ganley Co., 1002 Plymouth Bldg., Minneapolis, $50,826. Noted July 14.

★**Kan., Girard** — Crawford Co. let contract paving and draining 1.979 mi. Walnut-Englevale Rd., 18 ft. wide, and 2.034 mi. Croweberg-Mulberry Rd., 18 ft. wide, to W. S. Fisher, Oswego, $8,514 and $17,221 respectively.

★**N. D., Grand Forks**—City let contract paving 50,000 sq.yd. various streets, to Northern Constr. Co., 9 North 8th St. About $244,000. Noted June 16.

★**N. D., Minot**—Ward Co. let contract grading 18 mi. state highway, west of here, to Stevens Bros., 15 Piedmont Bldg., St. Paul, Minn., $81,189.

Wyoming—State Highway Comn., Cheyenne, received bids earth grading 26 mi. Wind River Project, 16 ft. wide, Lincoln and Fremont Counties, from Wickham Bros. & Schweiger, 19 Scott St., Council Bluffs, Ia., $94,583; M. A. Wogan, United States Natl. Bank Bldg., Denver, Colo., $103,352; Shirrock & Purcell, Casper, $105,082.

Missouri—State Highway Dept., St. Genevieve opens bids July 9, building 2.44 mi. state road from Bloomsdale northwestward, State Aid Project S 20.31 St. Genevieve Co., involving (1) 9,697 cu.yd. earth excav., (2) 6,644 cu.yd. rock excav., (3) 1,669 cu.yd. borrow, (4) 79.2 cu.yd. Class B concrete masonry, (5) 55.1 cu.yd. Class C concrete masonry, etc., from S. P. Reynolds Carruthersville. (1) $0.49, (2) $2.40, (3) $0.50, (4) $21 (5) $21, total cost $26,348; L. Rich Constr. Co., 429 Missouri Ave., East St. Louis, Ill., (1) $0.50, (2) $2.25, (3) $0.70, (4) $25, (5) $25, $26,378; F. J. Kersting, Jefferson City, (1) $0.40, (2) $2.20, (3) $0.90, (4) $30, (5) $30, $26 433.

★**Mo., Sedalia**—City will grade and drain Barrett Ave. About $25,000. Work will be done by day labor. N. L. Nelson, city clk. Private plans.

★**Mo., Williamsburg**—Calloway Co. (Fulton) let contract surfacing Calloway Rd., macadam, to J. L. Moss Clayton, $32,477.

Tex., Brenham—Washington Co. received bids clearing, grubbing, grading gravel surfacing, draining and building bridges on (1) 16.81 mi. Austin-Houston Highway from here to Fayette Co. line; (2) 14.14 mi. State Highway 20, from here to Waller Co. line, (a) gravel and 1½ in. bituminous top, (b) 1½ in. bituminous top and part concrete, (c) bituminonus gravel with concrete curb or (d) concrete pavement throughout; from Smith Bros., Crockett, (1a) $430,815 (1b) $447,650, (1c) $499,221, (2a) $335,814, (2b) $361,844 (2d) $419,405; McClung Constr. Co., Clebourne, (1a) $447,077, (1b) $464,-243, (1d) $462,347, (2a) $348,341 (2b) $373,691 (2d) $338,147.

★**Tex., Gonzales**—Gonzales Co. let contract grading, graveling and building steel bridges on 12.4 mi. Highway 29, 15 ft. wide, to W. E. Dozier, Austin Natl. Bank Bldg., Austin, $97,275.

★**Tex., Wichita Falls**—City let contracts paving .5 mi. (a) Elizabeth and Holliday Sts., (b) 6th St., uvalde rock asphalt and concrete, to Roberts Bros. Constr. Co., Wichita Falls, (a) $46,889; L. E. Whithan & Co., Wichita Falls, (b) $7,013; Fillmore St., bitulithic, to Texas Bitulithic Co., 1101 Praetorian Bldg., Dallas, $37,198. Noted July 7.

★**Tex., Wichita Falls**—Wichita Co. will pave 17.147 mi. State Highway 5 from Iowa Park west to Wilbarger Co. line, involving 117,168 sq.yd. plain concrete, 64,544 sq.yd. 1 course rein.-con., 181,512 sq.yd. plain and rein.-con. Cost $700,097 including 10% for engineering and contingencies. Work will be done by day labor.

★**Washington**—State Highway Comn., Olympia, let contracts clearing, grading and draining 6.8 mi. Pacific Highway, Kelso to Kalama, Cowlitz Co., involving 25,-500 cu.yd. earth, 5,200 cu.yd. rock and 27,610 cu.yd. solid rock excav., 125,000 cu. yd. overhaul and 6.1 acres clearing, to Ray & Leydell, Lewis Bldg., Portland, Ore., $64,761; 9.5 mi. Inland Empire Highway, Buena to Granger, Yakima Co., 54.311 cu. yd. common excav., 67,020 cu.yd. overhaul, 6,900 lb. steel reinforcing bars, to Sloane

Streets and Roads (Continued)

Constr. Co., Columbia Bldg., Spokane, $32,258; clearing, grading, draining and paving with concrete 4.8 mi. Pacific Highway, LaCenter to Woodland, Clarke Co., 62,440 cu. yd. common excav., 5 acres clearing, 3.7 acres grubbing, 56,241 sq.yd. concrete paving, 25,397 lin.ft. finishing shoulders and ditches, 51,000 lb. reinforcing pavement No. 2, to United Constr. Co., North Bank Bldg., Portland, Ore., $230,698; surfacing with crushed gravel 0.9 mi. Naches Pass Highway. The Dallas to White River, Pierce Co., 20,000 cu.yd. crushed gravel surfacing, to Sloane Constr. Co., Columbia Bldg., Spokane, $39,000.

Wash., Seattle—City received bids July 9, grading East 40th St., et. al., involving 180,000 cu.yd. earth excav. and 900 lin.ft. type C concrete curb, from J. L. Smith, Pioneer Bldg., $27,807; R. G. Stevenson 1327 Ewing St., $32,094; M. Richardson, 6307 12th St., N. E., $32,344.

★**New Mexico**—State Highway Comn., Santa Fe, let contracts paving (1) 47.734 mi. state highway across Lea Co. east of Roswell, Federal Aid Project 30, Lea Co., (2) 14.507 mi. between Farmington and Aztec, Federal Aid Project 35, San Juan Co., (3) 11.277 mi. in Datil Canyon, Federal Aid Project 52, Socorro Co., (4) 35.671 mi. between Lucy and Encino, Federal Aid Project 53, Torrance Co., (5) 57.865 mi. between Clayton and Gladstone, Federal Aid Project 58, Union Co., (6) 54.171 mi. between Clayton and Nara Visa, Federal Aid Project 59, Union Co., to Allhands & Davis, Cleburne, Tex., (1) $46,707; Mishou, Clark & Teyssier, Pueblo, Col., (2) $68,506; J. V. Stryker Constr. Co., 1507 Blake St., Denver, Col., (3) $58,363, (4) $41,625, (6) $74,194; Peterson, Shirley & Gunther, Omaha, Neb., (5) $69,84[illegible].

California—State Highway Comn., 515 Forum Bldg., Sacramento, receives bids July 11 grading 10.61 mi. state highway between Weaverville and Tom Long Gulch, Federal Aid Project 81, Trinity Co., involving (a) 120,000 cu. yd. excav., (b) 730 cu.yd. Class A Portland cement concrete, (c) 1,700 cu.yd. rubble masonry (retaining walls) (d) 950 cu.yd. dry rubble, etc., from Chadwick & Sykes, Crocker Bldg., San Francisco, (a) $0.89 (b) $35 (c) $12 (d) $7.50, etc., total, $172,076 P. L. Burr, 512 Misn. Ave., San Francisco, (a) $0.94 (b) $32 (c) $12 (d) $8, total $173,994, Palmer & McBryde, San Francisco, (a) $1, (b) $27.50, (c) $10, (d) $8., total $174,213, constructing reinforced concrete bridge across Susan River, near Johnstonville, Lassen Co., involving (a) 110 cu.yd. excav., (b) 165 cu.yd. Class A concrete etc. from C. H. Gildersleeve, Fresno, (a) $2, (b) $35, etc., total $7,825. Jenkins & Elton, Sacramento, (a) $6.35 (b) $40, etc., total $8,963, J. G. Leibert, San Francisco, (a) $18.24 (b) $34.95, etc. total $9,437. Noted June 30.

Cal., El Monte—Bd. Trustees received bids July 7 paving Main St. and eight other streets, concrete, from H. M. Hannawalt, La Verne, $51,522; W. Liddington, 420 East 60th St., Los Angeles, $54,961. Noted June 23.

Cal., Los Angeles—Bd. Supervs. Los Angeles Co. received bids July 11 paving 3¼ mi. Anaheim-Spadra Rd., Brea Canyon, concrete, from Sierra Constr. Co., 1743 Garfield Pl., $84,854; G. H. Oswald, 366 East 58th St., $88,605; G. S. Benson, 247 Douglas Bldg., $90,999 Noted June 30.

★**Cal., Los Angeles**—City let contract paving Fawn Ave. to point 1,080 ft. northeast of Reservoir St., oil macadam, involving 57,417 sq.ft. oiling and rolling, 568 sq. ft. concrete, 8,971 sq.ft. concrete gutters, 11,915 sq.ft. cement sidewalks and 4,421 lin.ft. cement curbs, to M. S. Cummings, 1302 West 22d St., $28,830.

★**Que., Montreal**—City let contracts to Sicily Asphaltum Paving Co., 60 St. Viateur St., paving Bronsam, Anita and Emma Sts., asphalt, also cement sidewalks or Anita and Emma Sts., $19,767, Laurier Ave., asphalt, $49,100, Cartier, De Bresoles, St. Maurice and Bonaparte Sts., asphalt, $27,990, Sanguinet St., asphalt, $48,045, to Duranceau & Duranceau, 152 Hamilton St., cement sidewalks on Benoi St., $25,937.

★**Ont., Ottawa**—Bd. Control let contract paving Somerset St. from Bank to Bay Sts., asphalt, to Standard Paving Co., Elgin St., $65,824. Noted May 12.

★**Ont., Sturgeon Falls**—See "Waterworks."

Railways

PROPOSED WORK

Ontario—London & Port Stanley Ry., Philip St., London, plans to build 3 new sidings in Port Stanley for handling coal traffic. About $25,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**New York**—Transit Comn., 49 Lafayette St., New York City, let contract installing tracks in Eastern Dist. Yard, Brooklyn, Order No. 21, to Ramato Iron Wks., 30 Church St., New York City, $29,963. Noted June 9.

Excavation and Dredging

PROPOSED WORK

Ia., Bedford—Excavation—Taylor Co. rejected bids opened July 12, excavating channel in Platte River, D. D. 4; 6 mi. long, involving 495,000 cu.yd. excav. About $50,000. A. J. Van Sise, Bedford, engr. Noted July 7.

Ia., Mt. Ayr—Excavation—Ringgold Co. rejected bids opened July 11, building new channel, Platte River, D. D. 2, 3 mi. long, involving 273,000 cu.yd. excav. About $28,000. Noted July 7.

Mont., Red Lodge—Irrigation—East Side Irrigation Dist. of Clark Fork Valley, having plans prepared for system to irrigate about 7,000 acres. About $375,000. J. B. Meyers, Belfrey, secy. S. C. Kimball, Red Lodge, engr.

BIDS DESIRED

Minn., St. Peter—Ditch—Until July 25, by Nicolett Co., building Co. Ditch 71, involving 15,885 lin.ft. open work, 49,864 cu. yd. excav., and 44,550 lin.ft. 8-24 in. tile, About $43,823. R. H. Allison, Monkato, engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

N. Y., New York—Dredging—M. Hulbert, comr. docks, Pier "A," foot of Battery Pl., Pl., North River, opened bids July 15, dredging outshore portion of Brooklyn Bridge Impvt., Boro. of Manhattan, Contr. 1694, from New Jersey Shipbuilding & Dredging Corp., foot of 28th St., Bayonne, N. J., $0.31⅛ per cu.yd., total cost $31,625; Morris & Cummings Dredging Co., 17 State St., $0.38 6/10, $38 600; E. Breyman, $0.45, $45,000. Noted July 7.

Wis., Milwaukee — Dredging — Harbor Comn. received bids July 11, for (1) 431,000 cu.yd. dredging along west side of Jones Island, (2) removal of wrecks, from Cleveland Eng. Constr. Co., 778 The Arcade, Cleveland, O. (1) $0.2475, (2) $10,000; Zenith Dredging Co., 303 Glencoe Bldg., Duluth, Minn., (1) $0.2925, (2) $27,000; Duluth Superior Dredging Co., foot 45th Ave., W. Duluth, (1) $0.293, (2) $14,000. Noted June 23.

★**Minn., Redwood Falls**—Ditch—Redwood Co. let following contracts building Ditch 72 and 40-A; hauling and labor for Ditch 72, to A. Olson, Murdock, $1.65 per ton for haul and $16,375 for labor; hauling and labor for Ditch 40-A, to Trefsy & Hendrickson, Redwood Falls, $1.02 and $1,610 respectively; all tile from 6-12 in., to Mason City Brick & Tile Co., Mason City, $7,077; 14-28 in., to Iowa Pipe & Tile Co., East 4th and Hayes Sts., Des Moines, $17,950. Noted June 16.

Industrial Works

PROPOSED WORK

Conn., Bridgeport—Amer. Tube & Stamping Co., 471 Hancock Ave., plans to build large 1 story, brick and steel addition to plant, on Wordin Ave. Private plans.

N. Y., New York—S. S. Brooks, 342 West 56th St., having plans prepared by J. H. O'Brien, archt. and engr., 1123 Bway., for 2 story, 75 x 100 ft., brick, steel and concrete garage, concrete foundation, at 793 11th Ave. About $65,000.

Md., Baltimore—See "Buildings"

O., Cleveland — J. Kirby, Kirby Bldg., having plans prepared by A. W. Harris, archt., Schofield Bldg., for 5 story, 62 x 130 ft., brick, steel and concrete garage, reinforced. flooring, brick and concrete foundation, on West 6th St. and Frankfort Ave. About $200,000.

O., Lakewood (Cleveland, P. O.)—F. E. Krum, 2285 Kyle Ave., having plans prepared for 1 story, brick and steel garage, brick foundation, on Madison and Hilliard Aves. About $40,000. Private plans.

Ill., Greenville—Duty Motor Co. plans to build 1 story, 250 x 250 ft. brick and steel factory. About $75,000. Architect not selected.

Ia., Corning—City having plans prepared by C. K. Munns, engr., Corning, for 1 story, 42 x 42 ft. power plant. About $60,000. Noted July 14.

Kan., Dexter—City plans to remodel power plant and build 19 mi. transmission line to Winfield. W. B. Rollins Eng. Co., Ry. Exch. Bldg., Kansas City, Mo., engrs.

S. D., Redfield—State Bd. of Charities and Correction, care of C. M. Day, secy., 61 West 10th St., Sioux Falls, receives bids about Aug. 5, constructing 2 story, concrete, brick and tile service building. About $85,000. Former bids rejected. C. H. Johnston, 715 Capital Bank Bldg., St. Paul, Minn., archt. Noted June 7.

Mo., Kirksville—Automatic Self Leveling Clock Co., c/o J. T. Dodd, plans to build 2 story, brick and steel factory. About $100,000. Architect not selected.

Mo., St. Louis—Continental Bank Supply Co., care of H. K. Rolf, secy., 1515 Pine St., plans to build 1 story, brick and steel factory. About $50,000. Architect not selected.

Ont., Port Burwell—Town plans to build electric lighting and power distribution plant. Address G. A. Vanorden, Port Burwell.

BIDS DESIRED

Mass., Boston—M. J. Mastrangelo, archt., 369 Hanover St., receiving bids building 1 story, 85 x 161 ft. brick factory, concrete foundation, on Ashmont St., for Royal Curtain Mfg. Co., 111 Summer St. About $40,000.

R. I., Providence—Z. Zawatsky & Son, 12 Winslow St., receiving bids building 1 story, brick, cement and steel garage, rein.-con. flooring, concrete foundation, on Westminster and Knight Sts. About $40,000. Private plans.

Conn., Hartford—I. A. Allen, Jr., Inc. archts., 904 Main St., receiving bids building 2 story, 90 x 100 ft. brick and steel addition to plant, concrete foundation, on High and Allyn Sts., for R. Kolodney Allyn St. and Union Pl. About $50,000.

Conn., Hartford—L. & H. Motors Co., 98 High St., receiving bids building 2 story, 32 x 90 ft., brick, rein.-con. and steel garage addition rein.-con. flooring, concrete foundation. Buck & Sheldon, Inc., 60 Prospect St., archts. and engrs.

Pa., Phila.—Until July 25, by W. E. S. Dyer, engr., Land Title Bldg., constructing 5 story, 73 x 170 ft. rein.-con., brick and steel mill rein.-con. flooring, concrete foundation, for A. T. Abbott Co., 23 East Allegheny Ave. About $100,000.

Ill., Winthrop Harbor—E. McVicker, mgr. Badger Concrete Mixer Co., 221 Grand Ave., Milwaukee, Wis., receiving bids building 1st unit of factory, here, 1 story, 80 x 258 ft., steel and brick, rein.-con. flooring, concrete foundation. About $60,000. Private plans.

Wis., Milwaukee — C. Thoringer, archt., 3328 State St., receiving bids building 1 story, 63 x 65 ft., brick, steel and concrete garage, rein-con. flooring, concrete foundation, on Martin St., for Jessen Auto Equipment Co., 415 Jackson St. About $40,000.

Wis., Oshkosh—Until July 25, by Auler & Jensen, archts., F.R.A Bldg., constructing 1 story, 75 x 97 ft., brick, steel and concrete garage, rein.-con. flooring, concrete foundation, for Kaerwer Auto Co., Oshkosh. Cost between $40,000 and $50,000. Noted July 7.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Me., Calais**—Maine Central R.R., Portland let contract building 1 story, 50 x 217 ft. round house and repair shop, brick, to Tredennick Co., 10 High St., Boston. About $100,000.

★**Mass., Brockton**—S. Pierce & Co., 69 Tremont St., Boston, let contract building 3 story, 55 x 100 ft., brick and rein.-con warehouse, to Whitcomb Constr. Co., 6 Beacon St., Boston. About $60,000.

★**Mass., Pittsfield**—R. M. O'Connell, 328 North St., let contract building 1 story, 60 x 232 ft. and 20 x 47 ft. garage and service station, brick, steel and rein.-con., rein.-con. flooring, concrete foundation, on South St., to J. R. Hampson Co., Inc., North St. About $75,000. Noted June 23.

★**Conn., Middletown** — Millbrook Dairy Co., 4 Main St., let contract building 3 story, 50 x 60 ft., rein.-con. and steel plant, rein.-con. flooring, concrete foundation, on Church and Broad Sts., to D. O'Brien & Sons Co., 118 Asylum St., Hartford. About $40,000.

★**N. Y., Jamaica**—Multiple Storage Battery Co., Van Wyck Ave., let contract building 1 story, 60 x 125 ft., brick, steel and concrete factory, rein.-con. flooring, concrete foundation, to J. Lowrey, Jr., 171 Madison Ave., New York City. About $60,000.

Industrial Works/(Continued)

★**W. Va., Wheeling**—Twelfth St. Garage Co. let contract building 5 story, 82 x 125 ft. rein.-con. garage, to Kitchen & Co., Bellaire, O. About $150,000. Noted Feb. 17.

★**Miss., Starkville** — Mississippi Agricultural College let contract building 1 and 2 story, power house, to Estes, Williams & Ragsdale, Seimitor Bldg., Memphis Tenn. About $50,000. Noted July 7.

★**O., Cleveland** — Hildebrandt Provision Co., c/o H. A. Hildebrandt, pres., 3616 Clark Ave., let contract building 1 story, 66 x 100 ft., brick and steel garage, brick foundation, at 3600 Clark Ave., to C. Denzler, 4140 Robert Ave. About $40,000. Noted July 7.

★**Mich., Ecorse** — Hinkley Motor Corp., 3420 West Fort St., let contract constructing 1 story, 250 x 340 ft. rein.-con., brick and steel factory and office building and 1 story, 50 x 62 ft. concrete, steel and timber power house, both rein.-con. flooring, concrete foundations on Chicotte Ave., to H. G. Christman Co., Stevens Bldg. Noted July 14.

★**Ill., Chicago**—M. Fesel, 2136 Wilson Ave., let general contract building 1 and 2 story, 100 x 100 ft., brick garage, concrete foundation, on Montrose and Western Aves., to Home Constr. Co., 2138 North Keeler Ave. About $60,000. Noted March 10.

★**Ill., Chicago**—M. H. Spades, c/o D. S. Klafter, archt., 64 West Randolph St., let masonry and carpentry contract building 1 story, 70 x 125 ft., brick and terra cotta, concrete foundation, on Bway. and Berwyn Ave., to R. Sollitt & Sons Constr. Co., 30 North La Salle St. About $80,000.

★**Que., Montreal**—H. Labelle & Co., 149 St. Catherine St. E., let contract building 7 story, 41 x 125 ft., rein.-con. and steel warehouse and store on St. Catherine St. E., to W. Grimstead, 70 Madison Ave. About $139,000.

Buildings

PROPOSED WORK

Mass., Blandford — School — Dr. Dean Memorial Comn. had plans prepared by M. B. Harding, archt., 33 Elm St., Westfield, for 2 story, 60 x 142 ft. brick and steel, on Common.

Mass., Haverhill—Theatre, Club, etc.—Brodie & Jensky, 94 Bway., Lawrence, having plans prepared by Blackall, Clapp & Whittemore, archts., 20 Beacon St., Boston, for 3 story, brick, steel and concrete, on Main St., here. About $200,000.

Mass., Northampton—Physics—Smith College plans to build 2 story, brick, stone and steel on campus. About $150,000. W. A. Neilsen, pres. Architect not announced.

Mass., Worcester—Business—J. Rice, archt., 306 Main St., prepared plans for 8 story, 92 x 113 ft. brick, rein.-con. and steel, rein.-con. flooring, concrete foundation, on Waldo, Foster and Commercial Sts. About $500,000. Owners name withheld.

Mass., Worcester—Hotel—Hotel Bancroft, Franklin St., had plans prepared by Eisenwein & Johnson, archts., 781 Ellicott Sq., Buffalo, N. Y., for 10 story, brick, steel and concrete addition, on Portland St. About $1,000,000.

R. I., Bristol—School—Guiteras Memorial School, c/o Natl. India Rubber Co., Str. House, Allns. Ave., having plans prepared by Clark & Howe, archts., 1304 Turks Head Bldg., Providence, for 3 story, brick, concrete and steel. About $300,000. S. P. Colt, chn.

R. I., Providence—Business—W. T. Grant Co., 30 West 23rd St., New York City, having plans prepared by W. R. Walker & Sons, archts., 49 Weybosset St., for 3 story, brick, steel and concrete, on Westminster and Matthewson Sts., here. About $175,000.

Conn., Bridgeport — Hotel — Stratfield Hotel, Main and Chapel Sts., having preliminary plans prepared by W. Schmidt, archt., 1188 Main St., for 8 story, 60 x 90 ft., brick, tile, steel and rein.-con. addition on Main St. About $500,000.

Conn., Bridgeport—Store and Theatre—M. H. Heanue, 1006 Norman St., having plans prepared by W. Schmidt, archt., 1188 Main St., for 2½ story, 65 x 135 ft. brick, steel and concrete on Park Ave.

Conn., Middletown—Ward—Connecticut Hospital for Insane, South Farms, having plans prepared by D. K. Perry, archt., 27 West Main St., New Britain, for 2 story, 100 x 235 ft. brick, steel and rein.-con. About $300,000.

N. Y., Brooklyn—Theater—B. F. Keith, 1564 Bway., New York City, soon receives bids building 2 story, 40 x 162 x 250 ft., brick and stone, brick foundation, on DeKalb Ave and Fleet St., here. About $750,000. T. W. Lamb, 644 8th Ave., New York City, archt. and engr. Noted Feb. 3.

N. Y., Flushing—Theatre—Long Island Theatre Corp., 116 West Bway., New York City, having sketches made by W. A. Swasey,, archt. and engr., Gotham Bank Bldg., Columbus Circle, New York City, for 88 x 136 ft. brick, steel and stone on Bway, near Main St., here. About $400,000. Noted July 7.

N. Y., Geneva—High School—Br. Educ. having preliminary plans prepared by W. Potter, archt. and engr., 22 East 17th St., New York City, for new high school. About $400,000. Noted Feb. 17.

N. Y., Hammel (Far Rockaway P. O.)—Hospital—Rockaway Beach Hospital, c/o J. E. Woodwell, archt. and engr., 501 5th Ave., New York City, soon lets contract building brick, steel and stone addition, concrete foundation, here. About $250,000.

N. Y., New York—Bank—G. Ehret, 1197 Park Ave., having plans prepared by S. E. Gage, archt. and engr., 28 East 49th St., for 1 story, 50 x 85 ft., brick, steel and stone, concrete foundation, at 543 Cathedral Parkway. About $150,000.

N. Y., New York — Educational — Amer. Academy of Arts & Letters, Inc., c/o McKim, Mead & White, archts. and engrs., 101 Park Ave., having plans prepared for 3 story, 83 x 100 ft., brick, steel and stone, concrete foundation, at 629 West 155th St. About $300,000.

N. Y., Schenectady—Schools—Bd. Educ. having plans prepared by W. T. Wooley, archt. and engr., City Hall, for 2 grade and 1 junior high school, all 3 story. About $1,000,000. Noted May 26.

N. J., Jersey City—Theatre and Office—Haring & Blumenthal, 1587 Bway., New York City, plans to build brick, steel and stone, concrete foundation, on Jackson and Orient Aves., here. About $500,000. Work will be done by separate contracts. F. De Rosa, 110 West 40th St., New York City, archt. and engr.

Pa., Newtown Square — College — C. E. Ellis College for Girls, c/o A. B. Wetherhill, 712 Commonwealth Bldg., Phila., having plans prepared by J. T. Windrim, archt., Commonwealth Bldg., Phila., for college buildings on West Chester Pike. About $5 000,000.

Pa., Phila.—Church—Holy Cross Roman Catholic Church, c/o J. A. McCullough, 134 Mt. Airy Ave., having plans prepared by E. G. Parrott, archt., Parkway Bldg., and soon receives bids building 1 story, 99 x 156 ft. stone and steel, on Mt. Airy Ave. and Boyer St. About $200,000.

Pa., Washington—Hotel—George Washington Hotel Co., c/o W. L. Stoddart, archt. and engr., 9 East 40th St., New York City, soon receives bids building 10 story, brick, steel and stone, on South Main St., here. About $1,000,000.

Md., Baltimore—Bank and Office—Natl. Bank of Baltimore,. Baltimore and St. Paul Sts., having preliminary plans prepared by F. A. Fletcher, archts., 507 North Charles St., for 15 story. About $2,000 000.

Md., Baltimore—Hospital—Church Home and Infirmary, North Bway., having plans prepared by Wyatt & Nolting, archts., Keyser Bldg., for 6 story, 86 x 126 ft. brick and steel addition to include laundries, bakery, dining rooms, boiler room, machine and repair shops and steel bridges across Bethel St. at each floor level. Noted Oct. 28.

Md., Baltimore—Nurses' Home—University of Maryland, Lumbard and Green Sts., receives bids about Aug. 6, building 6 story, 35 x 75 ft. rein.-con., brick, stone and tile. Flournoy & Flournoy, 306 St. Paul St., archts.

Tenn., Nashville—University—Vanderbilt University, 21st Ave., having plans prepared by Coolidge & Carlson, archts., 89 State St., Boston, Mass., for 1, 2, 3 and 4 story additions to medicine buildings on campus. About $4,000,000. J. H. Kirkland, pres.

O., Cleveland—Hotel—Hotel Parkway Co. had plans prepared by M. Weis, archt., 618 Union Bldg., for 8 story, brick, steel and concrete, rein.-con. flooring, brick and concrete foundtion, at 2026 East 107th St. About $1,000,000. Address B. Lederman, c/o architect.

O., Cleveland—School—Br. Educ., East 6th St. and Rockwell Ave., having plans prepared by W. R. McCornack, archt., East 6th St. and Rockwell Ave., for 2 story, 18 room, brick, concrete and steel addition, rein.-con. flooring, brick and concrete foundation, on East [illegible]th St. About $300,000.

O., Greenfield—[illegible]ol—Bd. Educ. having plans prepared by [illegible]B. Ittner, archt. Bd. Educ. Bldg., St. Louis, Mo., for 3 story, irregular shape, brick, stone, steel and concrete. About $300,000.

Ill., Chicago—Hall—Danceland Corp., c/o Woltersdorf & Bernard, archts., 138 North La Salle St., having plans prepared and soon receives bids building 1 story, 125 x 170 ft., rein.-con., brick and terra cotta, rein.-con. flooring, concrete foundation, at 3815 West Madison St. About $300,000.

Ill., Chicago—Hotel—Sheridan Plaza Hotel Co., Wilson Ave. and Sheridan Rd., having plans prepared by W. W. Ahlschlager, archt., 65 East Huron St., for 12 story, 65 x 150 ft addition, rein.-con., brick and terra cotta, rein.-con. flooring, concrete foundation. About $800,000.

Ill., Chicago—Theatre and Office—Ascher Bros., 220 South State St., having plans prepared by C. H. Crane, archt., 127 North Dearborn St., for 16 story, 95 x 100 ft., rein.-con., brick, steel and terra cotta, rein.-con. flooring, concrete foundation, on Washington St. near State St.

Minn., Bemidji—High School—Bd. Educ. rejected bids opened July 12, building 2 story, 176 x 230 ft., rein.-con., brick, tile and stone. About $250,000. J. T. Twomy, clk. E. F. Broomhall, 710 Alworth Bldg., Duluth, archt. Noted July 7.

Tex., Dallas—Office—J. T. and J. Jones, Main and McKinney Sts., had plans prepared by A. Finn archt., 201 Foster Bldg., for 12 story, rein.-con., on Commerce and Prather Sts. About $750,000.

Que., Montreal — Exchanges — Bell Telephone Co., Notre Dame St. W., having plans prepared by A. Carmichael, archt., c/o owner, for 7 concrete, brick, steel and stone exchanges. Cost to exceed $1,000,000.

Ont., Toronto—Medical College—University of Toronto, Queens Park, having plans prepared by Darling & Pearson, archts., 2 Leader Lane, for 2 or 3 story, brick or stone, rein.-con. flooring, concrete foundation. About $500,000.

Ont., Wallaceburg—High School—School Bd. plans to build 12 room high school. About $150,000. Prices wanted on all materials and equipment. G. Boyce, chn. building com. Architect not selected.

BIDS DESIRED

N. H., Berlin—High School—Until July 25, by T. M. James, archt., 3 Park St., Boston, building 3 story, 153 x 168 ft., brick and stone, concrete flooring, for city. About $400,000. Noted May 5.

N. Y., New York—Apartment—Johnson-Deischel Co., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 5 story, 75 x 85 ft., brick, steel and stone, concrete foundation, on Crotona Park North. About $150,000. Work will be done by separate contracts.

N. Y., Perrysburg—Hospital—Until July 26, by Comn. of Buildings, Municipal Bldg., Buffalo, for sundry alterations, additions to present buildings and construction of various new buildings, rein.-con. and steel, rein.-con. flooring, concrete foundations, here. About $1,200,000. H. L. Beck, Municipal Bldg., Buffalo, city archt. Noted Feb. 10.

N. J., Belleville—Field House and Shelter—Until July 26, by Essex Co. Park Comn., 810 Broad St., Newark, constructing field house and children's shelter for Belleville Park, here. J. H. and W. C. Ely, 1210 Firemens Bldg., Broad and Market Sts., Newark, archts.; advertised in this issue.

N. C., Greensboro — Dormitories — Until Aug. 5, by J. I. Foust, pres. North Carolina College for Women, constructing 3 dormitories and west wing of McIver Bldg. on campus. About $350,000. Noted June 16.

O., Alliance — School — Until Aug. 8, by M. M. Mansfield, clk. Bd. Educ., completing 2 story school, on South Liberty St. About $150,000. Foundation and steel work now being erected. Total cost $300,000. F. L. Packard, New Hayden Bldg., Columbus, archt.

O., Dayton—School—Until Aug. 4, by Bd. Educ., building Jackson Elementary School, 2 story, brick, steel and concrete, rein.-con. flooring, brick and concrete foundation. About $200,000. Gebhart & Schaeffer, 1402 U. B. Bldg., archts.

O., Lakewood (Cleveland P. O.)—Gymnasium—Until Aug. 6, by Bd. Educ., Warren Rd., building 1 story, 60 x 120 ft., brick, concrete and steel, rein.-con. flooring, brick foundation, on Clifton Blvd. About $150,000. C. W. Hopkinson, Rose Bldg., Cleveland, archt.

O., New Concord—Church—Until July 28, by J. Cunningham, chn. building com., constructing 60 x 80 ft., brick and stone. About $150,000. F. L. Packard, New Hayden Bldg., Columbus, archt.

O., New Philadelphia—Hospital—Until July 27, by R. S. Barton, chn. Building Comn., constructing 3 story, 30 x 90 ft

Buildings (Continued)

addition, fireproof construction, for New Philadelphia Hospital. About $150,000. F. L. Packard, New Hayden Bldg., Columbus, archt.

Ind., Laporte—Hotel and Theater—H. L. Newhouse, archt., 4630 Prairie Ave., Chicago, Ill., receiving bids building 3 story, 125 x 200 ft., rein.-con., brick and terra cotta, rein.-con. flooring, concrete foundation, for Princess Theater Co.

Ill., Chicago—Hospital—Womans Hospital, 25 East Jackson Blvd., receiving bids building 1st unit of hospital, 12 story, 50 x 125 ft. rein.-con., brick and stone, rein.-con. flooring, concrete foundation, at 460 East 32nd St. About $500,000. E. Grossman, 631 North Michigan Ave., archt. Noted April 21.

Ill., Chillicothe—High School—Bd. Educ. receiving bids building 2 story, 104 x 120 ft., brick, stone and rein.-con. About $150,000. Hotchkiss & Whitmeyer, Central Natl. Bank, Peoria, archts.

Ill., Murphysboro — High School — Until July 26, by Bd. Educ., building 2 story, 100 x 124 ft. with two 100 x 124 ft. wings, brick, rein.-con. and steel. About $150,000. N. S. Spencer & Son, 37 West Van Buren St., Chicago, archts. Noted June 9.

Ill., Quincy—Theatre—W. P. Whitney, archt., 122 South Michigan Ave., Chicago, receiving bids building 3 story, 60 x 200 ft., brick, steel and terra cotta, concrete foundation, for Savoy Theatre. About $200,000.

Minn., Faribault—Hospital—Until Aug. 2 (change of date) by St. Lucas Hospital, building 4 story, 44 x 101 ft., rein.-con., brick, tile and stone. About $150,000. T. Kettelhut, supt. Schippel & Schmidt, Kruse Bldg., Mankato, archts. Noted July 14.

Kan., Abilene—Hospital—Until Aug. 10, by Dickinson Co. Memorial, c/o E. H. Horney, Abilene, building 3 story, 38 x 119 ft., brick, stone and rein.-con. About $150,000. W. H. Sayler & Co., Mutual Bldg., Kansas City, Mo., engr.

Kan., Augusta—High School—Until Aug. 27, by Bd. Educ., building 2 story, brick, stone and rein.-con. About $200,000. L. Schmidt & Co., 121 North Market St., Wichita, archts. Noted May 19.

Neb., Lincoln—School—Until Sept. 6 (change of date) by Bd. Educ., building Elliott School, 2 story, 120 x 195 ft., brick, tile and terra cotta. About $400,000. Fiske & Meginnis, Bankers Life Bldg., Lincoln, archts. Noted June 2.

Mo., Kansas City—Office—Until Aug. 5, by McKecknie & Trask, archts., Gloyd Bldg., constructing 5 story, 50 x 110 ft. brick, stone and rein.-con., at 1423-25 Baltimore St. for F. F. Platt, Stock Exch. Bldg. About $175,000.

Mo., Kirkwood—High School—Until Aug. 2, by Bd. Educ., building 2 story, brick and steel, rein.-con. flooring. About $225,000. W. B. Ittner, Bd. Educ. Bldg., St. Louis, Mo. archt. Noted May 19.

Okla., Alsuma—School—Until July 29, by Bd. Educ., building 2 story, 77 x 135 ft., rein.-con., brick, stone and steel. About $160,000. A. J. Love, Pawhuska, archt.

Okla., Norman—Church—Until July 26, by Methodist Episcopal Church and Hawk & Parr, archts., Colcord Bldg., Oklahoma City, building 2 story, rein.-con. About $150,000. Noted June 30.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Fitchburg**—Bank—Fidelity Co-operative Bank, 745 Main St., let contract altering present building and constructing 1 story, 40 x 70 ft. brick and stone addition, to Wiley & Foss, Central St. Noted May 12.

★**Mass., Watertown**—High School—City let contract building 3 story, 90 x 220 ft., brick and stone, to M. W. Ryan, Central Sq., Cambridge. About $250,000.

★**Conn., Norwich**—School—Bd. Educ. let contract building 2 story, 75 x 128 ft., brick, concrete and steel, rein.-con. flooring, concrete foundation, on West St., to G. Dose Eng. Co., 43 West 27th St., New York City. About $20,000. Noted June 30.

N. Y., Cortland—School—F. B. Gilbert, acting comr. of Bd. Educ., Educational Bldg., Capitol, Albany, opened bids July 7, building school, here, including heating, plumbing and electrical work, lump sum bid, (a) proposal 1, (b) proposal 2, (c) proposal 3, from Thompson-Starrett Co., 49 Wall St., New York City, (a) $956,900, (b) $940,000, (c) $0.65 per cu.yd. M. Kantrowitz, 20½ Market St., Albany, (a) $974,000, (b) $958,000, (c) $4.20, G. Colon Co., 81 East 125th St., New York City, (a) $1,061,000, (b) $1,047,000, (c) $7.50; construction work, from A. E. Stephens Co., 145 State St., Springfield, Mass., (a) $710,000, (b) $695,300, (c) $2, Drummond-Miller Co., 4500 Euclid Ave., Cleveland, (a) $796,000, (b) $782,000, (c) $7, G. Colon & Co., 81 East 125th St., New York City, (a) $877,000, (b) $863,000, (c) $7.50; heating work, from E. P. Bates Co., 228 West Water St., Syracuse, (a) $103,358, G. H. Drake, Inc., 218 Lexington Ave., Buffalo, (a) $109,305, W. H. Taylor & Co., 256 Hamilton St., Allentown, Pa., (a) $109,400; sanitary work, from Power Efficiency Corp., White Bldg., Buffalo, $35,775, G. H. Drake, Inc., 218 Lexington Ave., Buffalo, $45,635, E. Joy Co., 133 Market St., Syracuse, $46,755. Noted June 16.

★**N. Y., New York** — Apartment — **Ezra** Holding Co., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 5 story, brick, steel and stone, concrete foundation, on Grand Concourse and Fordham Rd., Bronx. About $150,000. Work will be done by day labor.

★**N. Y., New York**—Apartment—Grand Hall Bldg. Co., c/o I. Margon, archt. and engr., 350 East 149th St., will build 5 story, 75 x 90 ft., brick, steel and stone, concrete foundation, on Grand Ave. near 182d St., Bronx. About $150,000. Work will be done by day labor.

★**N. Y., New York**—Apartment—Harding Constr. Co., 370 East 149th St., will build 5 story, brick, steel and stone, concrete foundation, on 192d St. and University Ave., Bronx. Work will be done by day labor. C. Kreymborg, 2534 Marion Ave., archt. and engr.

★**N. Y., New York**—Apartment—E. M. J. Realty Co., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 5 story, brick, steel and stone, concrete foundation, on Kingsbridge Rd. and Valentine Ave., Bronx. About $250,000. Work will be done by day labor.

★**N. Y., New York** — Apartments — Six Fifteen West 164th St. Corp., 81 East 125th St., will build two 5 story, brick, steel and stone, concrete foundations, at 610 West 164th St. About $150,000 each. Work will be done by day labor. Gronenberg & Leuchtag, 305 5th Ave., archts. and engrs.

★**N. Y., New York** — Apartment — Tyrol Realty Co., c/o I. Margon, archt. and engr., 350 East 149th St., will build brick, steel and stone, brick foundation, on 152d St. and Melrose Ave., Bronx. About $175,000. Work will be done by day labor.

★**N. Y., New York**—College—New York University, 32 Waverly Pl., let contract building 7 story, 50 x 50 ft. steel and stone addition, concrete foundation, at 339 East 25th St., to J. Lowry, 171 Madison Ave. About $150,000. Noted July 7.

★**N. Y., New York**—Exchange—New York Telephone Co., 15 Dey St., let contract building top addition, brick, steel and stone, at 206 West 36th St., to Tidewater Bldg. Co., 14 East 33d St. About $250,000. Noted June 16.

★**N. Y., New York**—Synagogue—Centre of Israel, 2306 Creston Ave., will build brick, steel and stone, concrete foundation, on Grand Concourse near 183d St., Bronx. About $175,000. Work will be done by day labor. I. Margon, 350 East 149th St., archt. and engr.

N. Y., Oswego—High School—Bd. Educ., City Hall, opened bids July 12, building high school, (a) general construction, (b) heating and power, (c) plumbing, from Prahl Constr. Co., Erie, Pa., (a) $323,546; G. T. Kelly, 20 John St., Yonkers, (a) $363,000; De Kempe Constr. Co., Hoboken, N. J., (a) $379,000; J. R. Sheehan, 16 South Center St., Schenectady, (b) $64,023; Power Efficiency Corp., White Bldg., Buffalo, (b) $72,980, (c) $23,548; Ryan Plumbing & Heating Co., 160 Court St., Watertown, (b) $73,100, (c) $30,350; E. Joy, 133 Market St., Syracuse, (c) $29,782. Noted June 16.

★**N. Y., Rochester** — Apartment Hotel — W. Bausch, 1063 St. Paul St., let general contract building 9 story, 150 x 160 ft., rein.-con., steel, stone and terra cotta, rein.-con. flooring, concrete foundation, on East Ave., to E. V. Johnson Co., 20 West Jackson St., Chicago. Total cost $2,000,000.

★**N. J., Burlington** — High School — Bd. Educ. let general contract building 2 story, 125 x 125 ft., brick and steel, to H. B. Miller, Edgewater Park, $155,442; plumbing and heating, to E. Marlin, 200 High St., $24,083. Noted June 23.

Pa., Sunbury—Band, Store and Office—Until July 25, by Ritter & Shay, North Amer. Bldg., Phila., building 6 story, 60 x 120 ft. concrete, stone and steel rein.-con. flooring, concrete foundation, on 4th and Market Sts., for Sunbury Trust Co., 4th and Market Sts. About $200,000. Noted July 7.

★**O., Cleveland**—High School—Bd. Educ., East 6th St. and Rockwell Ave., let contract building two 2 story, 40 x 140 ft. wings, brick, concrete and steel, rein.-con. flooring, brick and concrete foundations, on Parkwood Dr. and Everton Ave., to W. Moore & Co., 1274 West 4th St., $185,999; heating work, to Feldman Bros., Barret Ave., $39,850. Noted July 7.

★**O., Cleveland Heights** (Warrensville, P. O.)—Apartment—F. C. Newcomer, Citizens Bldg., let contract building 3 story, 66 x 137 ft., brick and timber, brick foundation, on Cedar Rd. and Fairmont Blvd., to Van Blarcom Co., Plymouth Bldg. About $150,000. Noted June 23.

★**O., Middletown**—School—Bd. Educ. let contract building 2 story, 69 x 93 ft., brick, concrete and steel addition, rein.-con. flooring, brick and concrete fundation, to J. R. Stevens Co., Odd Fellows Bldg., Cincinnati About $150,000. Noted June 9.

★**Mich., Battle Creek**—School—Bd. Educ. let contract building 3 story, 95 x 400 ft. stone and brick, concrete foundation, to R. G. Phelps, Battle Creek, $266,514. Noted July 7.

★**Mich., Flint** — Schools — Union School Dist. let contracts building two 2 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundations, one on Arlington St. other on Civic Park site, to W. E. Wood Co., 1805 Ford Bldg., Detroit, $240,000 and $250,000 respectively.

★**Mich., Iron Mountain** — Bank — Natl. Bank let contract building concrete, brick and stone, rein.-con. flooring, concrete foundation, to G. A. Gustafson, Norway. About $150,000.

★**Ill., Aledo**—High School—Bd. Educ. let contract building 2 story 70 x 120 ft. rein.-con. and brick, in Dist. 60, to W. A. Reams, Galesburg. About $150,000. Noted June 16.

★**Ill., Chatsworth** — High School — Bd. Educ. let contract building 2 story, brick, steel and bedford stone, to V. Joist & Son, Lekam Bldg., Peoria. About $160,000; cost plus percentage basis. Noted June 23.

Ill., Chicago — Apartment — E. and L. Constr. Co., 3058 West Chicago Ave., let masonry contract building 3 story, 125 x 125 ft. mill construction, concrete foundation, at 1840 Humboldt Blvd., to S. Fishkin, 2640 Fairfield Ave. About $200,000.

★**Ill., Chicago**—Apartment Hotel—Melrose Hotel Co., c/o J. A. Nyden, archt., 190 North State St., let contract building 7 story, 90 x 165 ft., rein.-con. and brick rein.-con flooring, concrete foundation, on Melrose St. and Sheriden Rd., to J. E. Mahlin, 1442 Farragut Ave. About $750,000. Noted April 28.

★**Ill., Chicago** — School — Sacred Heart Congregation, 4602 South Hanore St., let contract building 1 story, 60 x 120 ft., rein.-con. and brick addition, to S. Kleehamer, 5619 Western Ave., and F. Mondrowski, 3335 North Ridgeway Ave. About $150,000.

★**Ill., Highland Park**—Home—Presbyterian Home for the Aged, 225 South Johns Ave., let contract building 3 story, 35 x 400 ft. mill construction, concrete foundation, to W. Adams Co., 209 South La Salle St., Chicago. About $300,000.

★**Ill., Oak Park**—Church—First Baptist Church let contract building 2 story, brick stone and steel, on Ontario and Oak Park Aves., to Wells Bros., 53 West Jackson St. Chicago. About $150,000.

★**Ill., Oak Park**—High School—Bd. Educ., 285 Keystone Ave., River Forest, let contract building 4 story, 143 x 160 ft brick, stone, concrete and steel, on Ontario St. and East Oak Park, here, to G. McClintock, Oak Park. About $175,000. Noted June 16.

★**Ill., Onargo** — Seminary—Grand Prairie Seminary let contract building 2 story, 48 x 78 ft. brick, stone, concrete and hollow tile, to Hagerman & Harshman, Sullivan. About $150,000. Noted July 7.

★**Ill., Springfield**—Hospital—Our Saviors Hospital, Jacksonville, let contract building 3 story 50 x 85 ft. brick, stone, steel and concrete, here, to V. Joist & Sons, Peoria. About $150,000.

★**Ill., Zeigler**—School—Bd. Educ. let contract building 2 story, 25 x 76 ft. and 76 x 109 ft. rein.-con., brick and stone, to E. Raymond, Christopher. About $150,000.

★**Wis., Appleton** — Office — Lutheran Aid Assn., 1st Natl. Bank Bldg., let contract building 5 story, 67 x 145 ft. and 25 x 70 ft. rein.-con. and brick, rein.-con. flooring, concrete foundation, to Wisconsin Eng. & Constr. Co., Wausau, $226,426. Noted June 29.

★**Wis., Janesville** — High School — Bd. Educ. let contract building 3 story, 180 x 210 ft. with 40 x 50 ft. boiler house, rein.-con., brick and steel, rein.-con. flooring, on South Main St., to J. P. Cullen & Sons Janesville, $513,813. Noted June 23.

Buildings (Continued)

★Ia., **Council Bluffs** — Hospital — Jennie Edmundson Memorial let contract building 4 story, 44 x 128 ft. with two 30 x 50 ft. wings, rein.-con., brick and stone, on Oak and Pierce Sts., to Parsons Constr. Co., 616 Keeling Bldg., Omaha, Neb., $142,268. Noted July 7.

★Minn., **Buhl**—High School—Bd. Educ. let general contract building 3 story rein.-con., brick, tile and stone addition, to Natl. Contg. Co., Virginia, $362,733. Noted July 7.

★Minn., **Hibbing** — Theater — Twin City Amusement Trust Estate, 425 Loeb Arcade, Minneapolis, let general contract building 2 story, 53 x 125 ft., rein.-con., brick and tile, to F. Gorham, Virginia. Noted May 5.

Minn., **Minneapolis**—Music—State Bd. Control, care of D. F. Mullen, secy., Capitol, St. Paul, opened bids July 13, building 3 story, 95 x 160 ft., rein.-con., brick, tile and stone, from R. J. Cheney & Co., 311 South 7th St., $181,780; J and W. A. Elliott Co., 906 Lumber Exch. Bldg., $183,867; H. O. McMillan, 2 South East 5th St., $186,212. Noted July 7.

★Minn., **St. Paul**—Apartment—I. Baur, c/o A. Rose, archt., 500 Builders Exch. Bldg., Minneapolis, let general contract building 3 story, 76 x 134 ft., brick and timber, on Lexington and Lincoln Aves., to L. Fleisher Co., 401 Plymouth Bldg., Minneapolis. About $120,000.

★Kan., **Arkansas City**—High School—Bd. Educ. let contract building 2 story, brick, stone, concrete and steel, to G. H. Gassman, Emporia. About $155,000. Noted June 30.

★Kan., **Ft. Leavenworth**—Memorial Hall—Boughton Memorial Assn., Leavenworth, let contract building 59 x 114 ft., here, to Baer Eng. & Constr. Co., Leavenworth. About $150,000. Noted May 26.

★Neb., **Omaha**—Store and Office—Standard Oil Co., 19th and Farnam Sts., let contract building 4 story 72 x 88 ft., rein.-con. and brick, on 18th and Howard Sts., to Vaughn Constr. Co., W. O. W. Bldg. About $200,000. Noted July 7.

★Neb., **Osceola**—Court House—Polk Co. let contract building 3 story, 64 x 98 ft. brick and stone, to J. L. Soderberg, Builders Exch., Omaha. About $150,000. Noted June 30.

★N. D., **Fargo**—Agricultural—State Bd. of Administration, Bismarck, let general contract building 3 story, 55 x 145 ft., rein.-con., brick, tile and stone, at State Agricultural College here, to T. F. Powers & Co., 419 8th St., $96,347 Noted July 14.

★Mont., **Lewistown** — High School — Bd. Educ. let general contract building 2 story, rein.-con., brick, stone and tile, to J. J. Lohrenz, South 1224 Maple St., Spokane, Wash., $147,464; plumbing and heating, to Kane & Heavlin, Lewistown, $27,885. Noted June 30.

★Mo., **Siloam Springs**—Hotel, etc.—N. O. Tate, West Plaines, will build 3 story hotel including bath house and number of cottages, brick, stone and steel. Work will be done by day labor. Private plans. Noted May 19.

★Wash., **Seattle** — Education Hall — University of Washington let contract building 4 story, 70 x 229 ft. on University campus, to Dugan & Chrisman, Hinckley Bldg., $345,300. Noted Dec. 16.

★Ont., **Toronto**—School—Bd. Educ., 155 College St., let masonry contract building 2 story, 10 room, brick and steel, rein.-con. flooring, concrete foundation, on Shaw St., to Britnell Contg. Co., Baxter Ave., $85,800; carpentry, to F. Armstrong, 89 Oak St., $32 883. Total cost $160,000.

★Que., **Westmount** — Synagogue — L. Cohen, pres., congregation let contract building 50 x 120 ft. brick and stone on Cote St. Antoine Rd., here, to P. Lyall & Sons Constr. Co. Ltd., Transportation Bldg., Montreal. About $400,000.

★Man., **Winnipeg**—Medical College—Provincial Government let contract building 2 story, 60 x 160 ft. rein.-con., brick and steel, rein.-con. flooring, concrete foundation on Bannatyne and Emily Sts., to Sutherland Constr. Co., Merchants Bank Bldg., $149,064. Noted July 7.

Federal Government Work

PROPOSED WORK

D. C., Bellevue—Chimney—Spec. 4483—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to construct, here.

Idaho—Roads—U. S. Bureau Pub. Rds., Ogden, Utah, plans to grade 9.3 mi. forest road between Dubois and Monida, in Targhee Natl. Forest, Clark Co., 20 ft. wide, gravel or shale surfacing, cost $43,-233; 10.45 mi. Post Rd. from Price to Castlegate, Carbon Co., 18 ft. wide, bithulithic or concrete, $400,000. B. F. Finch, dist. engr., c/o Bureau Pub. Rds.

BIDS DESIRED

N. Y., Buffalo—Dredging, etc.—Until Aug. 18, by U. S. Engineer, for dredging and rock excav. in Black Rock Channel, here; advertised in this issue.

N. Y., Buffalo—Riprap—Until July 27, by U. S. Engineer, furnishing and placing riprap stone on Neck of Presque Isle Peninsula, Erie Harbor, Pa.; advertised in this issue.

Del., Wilmington—Dredging—Until July 30, by U. S. Engineer, dredging Smyrna River, here; advertised in this issue.

Va., Yorktown — Water and Sewerage Systems — Spec. 4449 — Until July 27, by Bureau Yards & Docks, Navy Dept., Wash., D. C., constructing at Navy Mine Depot, here. C. W. Parks, ch. of bureau; advertised in this issue.

Ga., Atlanta — Mezzanine Floors, etc.—Until Aug. 2, by Treas. Dept., Wash., D. C., constructing in Post Office, here.

La., Mason City—Vestibule—Until Aug. 10, by Bureau Yards & Docks, Navy Dept., Wash., D. C., constructing in postoffice, here.

Ill., Cairo — Repairing Building — Until July 28, by Treas. Dept., Wash., D. C., repaving here. J. A. Wetmore, superv. archt.

Ia., Mason City—Mailing Vestibule—Until Aug. 10, by Treas. Dept., Wash., D. C., constructing in Post Office, here; advertised in this issue.

Ariz., Globe—Post Office—Until Aug. 15, by Treas. Dept., Wash., D. C., constructing postoffice and court house, here.

Ore., Portland—Bridge—Until July 29, by Supt. of Lighthouses, constructing structural steel foot bridge, for Cape Arago Light Sta., here.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

D. C., Bellevue—Electric Freight Elevator—Spec. 4421—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids installing, here, from Burwak Elevator Co., 216 Fulton St., New York City (1) $4,999 (90 days); Otis Elevator Co., Metropolitan Bank Bldg., Wash., D. C., (1) $5,141 (90 days); Warner Elevator Mfg. Co., 213 Spring Grove Ave., Cincinnati, O., (1) $5,685 (60 days).

★**D. C., Wash.**—Piping—Treas. Dept. let contract constructing refrigerating piping for zero room in hygienic laboratory, here, to W. G. Cornell Co., 923 12th St., $2 335 (60 days).

★**S. C., Greenville**—Fire Protection System—Treas. Dept., Wash., D. C., let contract constructing in post office and court house, here, to Pittsburgh-Des Moines Steel Co., Munsey Bldg., Wash., D. C., $35,457 (125 days). Noted June 16.

Ky., Dawson Springs—Buildings—Treas. Dept., Wash., D. C., received bids July 11 constructing 13 buildings, at Marine Hospital, here, from A. Blair, 1180 Lawrence St., Montgomery, Ala., $520,000 (6 months); Wise Granite & Constr. Co., Amer. Natl. Bank, Richmond, Va., $531,000 (6 months); C. P. Johnson & Son, 104 South Michigan Ave., Chicago, $571,571 (5 months). Noted June 30.

Ky., Dawson Springs—Mechanical Eqiupment—Treas. Dept., Wash., D. C., received bids July 11 installing in Public Health Sanatorium, here, from Forbes Mfg. Co., Hopkinsville, $179,430 (6 months); Power Efficiency Co., 2 White Bldg., Buffalo, N. Y., $181,986 (6 months); Federal Heating Co., 310 13th St., Wash., D. C., $194,101 (6 months). Noted June 30.

Kan., Wichita—Repairs to Postoffice—Treas. Dept., Wash., D. C., received bids repairing here, from Garber & Cissel Inc., Bethlehem, Pa., $4,000 (70 days); L. Van Dorp & Son, Topeka, $10,180 (68 days).

★**N. M., Ft. Stanton**—Hotwater Supply System—Treas. Dept., Wash., D. C., let contract constructing in sanatorium, here, to C. Irving, 1525 Larimer St., Denver, Colo., $3,593 (90 days).

Wash., Puget Sound—Water System Extension—Spec. 4447—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids July 13 constructing extension to fresh and salt water system, here, (1) work complete, from R. H. Travers, 3144 Arcade Bldg., Seattle, (1) $24,781 (100 days), (2) $88,000, (3) $212, (4) $2,136 (8 days); King Plumbing & Heating Co., 214 Columbia St., Seattle, (1) $26,726 (115 days), (2) $71,000, (3) $136, (4) $1,484; R. G. Stevenson, 1327 North Lake St., Seattle, (1) $27,-400 (120 days, (2) $75, (3) $175, (4) $1,150. Noted June 23.

★**H. T., Wailupe**—Water Supply Main—Spec. 4448—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract constructing at Naval Radio Sta., here, to R. E. Woolley, 305 James Campbell Bldg., Honolulu, $13,056 (160 days).

Dams

PROPOSED WORK

Dam—Marshall, Tex.—J. E. Hayes, engr. of Farmers Reservoir & Irrigation Co., Ideal Bldg., Denver, opens bids about Aug. 15, repairing earth dam at Marshall Lake, near here. Work involves filling and excavation. About $150,000.

CONTRACT AWARDED

(★Indicate award of contract)

★**Dam—Minot, N. D.**—City and Ward Co. let contract building concrete dam across Mouse River, to G. K. Kemper, Minot. About $59,000.

Miscellaneous

PROPOSED WORK

Transmission Line—Dexter, Kans.—See "Industrial Works."

Electric Lights — Calumet, Minn. — See "Sewers"

Hydro Electric System—St. Thomas, Ont.—Yarmouth Twp. plans to build hydro power and lighting system. W. Caughell, clk.

Water Power Development — Quebec — Quebec Development Co. c/o W. Price; pres., 145 Grand Allee Ave., Quebec, having plans prepared developing water power, utilizing Lake St. John power resources, expects to develop 250,000 hp. About $3,000,000. Running Streams Comn., 54 Notre Dame St., Montreal, engrs.

BIDS DESIRED

Jib Cranes—Brooklyn, N. Y.—Until Aug. 17, by C. L. Cadle, supt. Pub. Wks., Capitol Albany, furnishing and installing two 3-ton electric semi-portal revolving jib cranes on barge canal terminal, Gowanus Bay, here, Contr. 118; advertised in this issue.

Station Finish, Etc.—New York, N. Y.—Until July 25, by Transit Comn., 49 Lafayette St., for station finish and miscellaneous construction all over city.

Paving Brick—South Fork, Pa.—Until Aug. 2, by W. Moore, clk Boro. Council, furnishing 54,000 Hillside brick and 76,000 standard paving blocks, f.o.b. South Fork, to be used for paving B Court, Grant and Maple Sts. Owen & Plummer, Otto Bldg., Johnstown, engrs.

Piers and Abutments—Dayton, O.—Until Aug. 20, by Comrs. Montgomery Co., building piers and abutments for 3 span steel highway bridge across Miami River, on Sheperd Rd., involving 5,000 cu.yd. mass concrete. About $60,000. P. S. Bookwalter, co. engr.

Foundations—Chicago, Ill.—Daughters of Zion Infants Home and Day Nursery, 1441 Wicker Park Ave., receiving bids constructing concrete foundation for 3 story, 96 x 278 ft. rein.-con., brick and stone home and auditorium, on Hirsch Blvd. and California Ave. Total cost $275,000. Dubin & Eisenberg, 14 West Washington St., archts. Noted June 23 under "Buildings."

Water Pipe and Fittings — Manitowoc, Wis.—Until July 28, by F. Alter, city engr., furnishing 1 carload standard Class "C" 6 in. water pipe and fittings.

Water Pipe and Gate Valves—Milwaukee, Wis.—Until July 25, by Central Bd. Purchasers, City Hall, furnishing 275 tons Class "C" 16 in. water pipe and twelve 16 in. gate valves.

Water Pipe, etc.—Two Rivers, Wis.—Until July 28, by Water & Light Comn., furnishing 6 800 ft. 4 and 6 in. water pipe, 16 tees, 18 crosses, 35 plugs, 15 gate valves, 9 Eddy hydrants and 15 trench valve boxes. J. Doleyesh, clk.

Swimming Pool—St. Louis, Mo.—Until July 26, by J. J. Jamieson, engr., Security Bldg., constructing 1 story, 75 x 170 ft. brick, stone and rein.-con., for Washington University, Skinker Rd. and Forsyth St. About $75,000. Noted June 23.

Water Pipe—Montreal, Que.—Until July 27, by Chairman Administrative Comn., City Hall, furnishing 525 lengths c.i. pipe. A. E. Doucet, dir. pub. wks.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Tunnel — Wellesley, Mass.** — Wellesley College let contract constructing rein.-con. pipe tunnel on campus, to H. P. Cummings Constr. Co., 14 Prospect St., Ware. About $25,000.

★**Culvert—Bristol, Conn.**—City let contract constructing 600 ft., rein.-con. culvert, in new boulevard, to C. Vacca, Terryville Rd. About $25,000.

★**Heating and Ventilating Apparatus, etc.—Morris Park** (Jamaica P. O.), **N. Y.**—R. W. Rodman, supt. plant operation of Bd.

Miscellaneous (Continued)

Educ., Municipal Bldg., New York City, let contract installing heating and ventilating apparatus in P. S. 57, on Curtis Ave. south of Jerome Ave., here, to Baker, Smith & Co., 570 Greenwich St., New York City, $37,989; temperature regulation apparatus, to Natl. Regulator Co., 116 Lexington Ave., New York City, $3,636. Noted July 7.

Pier and Platforms—New York, N. Y.—M. Hulbert, comr. docks, Pier "A," foot of Battery Pl., North River, opened bids July 15, building pier and platforms on outshore portion of Brooklyn Bridge Impvt., Boro. of Manhattan. Contr. 1694, from G. B. Spearin, Inc., 90 West St., $322,236; Snare & Triest Co., 8 West 40th St., $345,600; H. Steers, Inc., 17 Battery Pl., $375,423. Noted July 7.

★Ties and Timber—New York, N. Y.—Transit Comn., 49 Lafayette St., let contract furnishing ties and timber for 14th St. Route, Order No. 6, to Eppinger & Russell, 165 Bway., $18,910.

Shafts—Jersey City, N. J.—New York State Bridge & Tunnel Comn. and New Jersey Interstate Bridge & Tunnel Comn., Room 617, Hall of Records New York City, opened bids July 19, building 2 shafts for vehicular tunnel under Hudson River, here, from Shaft Constr. Co., Inc., 233 Bway., New York City, $371,000; Holbrook, Cabot & Rollins 52 Vanderbilt Ave., New York City, $380,000; Booth & Flim, Ltd., 17 Battery Pl., New York City, $445,000. Unit bids on this project may be obtained by writing "Engineering News-Record." Noted July 14.

Pavilion—Louisville, Ky.—Kentucky State Fair Assn., Republic Bldg., let contract building pavilion on State fair grounds, 4,000 Woodland Ave., to C. A. Koerner & Co., 318 East Burnett St. About $275,000.

★Electric and Power Wiring—Cleveland, O.—City let contract installing electric and power wiring in new city hospital buildings (now under construction), to Progressive Electric Co., West 14th St., $102,500. Noted July 14.

Equipment—Cleveland, O.—City received only bid furnishing and installing power house, laundry, kitchen and miscellaneous equipment, etc., in new city hospital buildings (now under construction), from W. G. Cornell Co., Leader-News Bldg., $153,638.

★Ornamental Lights—St. Paul, Minn.—City let contract building ornamental lights on Summit Ave. from Wabasha St. Mississippi River Blvd., to Commonwealth Electric Co., 182 East 6th St., $83,973. Noted June 23.

★Stadium—Lawrence, Kan.—University of Kansas let contract building stadium, to Unit Constr. Co., Title Guaranty Bldg., St. Louis, Mo. About $212,000.

Pipe and Specials—Detroit, Mich.—Water Bd. received bids furnishing 150 ton 4-24 in. and 50 ton 30-48 in. c.i. pipe and specials, from J. B. Clow & Sons Co., Franklin and Harrison Sts., Chicago, $103.65 for 4 in., $93.65 for 6-24 in. and $113.65 for 30-48 in.; Russell Wheel & Fdry. Co., Chene St., $84, $84 and $94.60; United States C. I. Pipe & Fdry. Co., 127 South Michigan Blvd., Chicago, $97.50, $97.50 and $107.50.

★Water Pipe—Detroit, Mich.—Water Bd. let contract furnishing 4,000 ton 24 in., 725 ton 30 in. and 3,288 ton 36 in. Class C water to Lynchburg Fdry. Co., Lynchburg, Va., $47.30 per ton.

★Concrete Piles, Etc.—Milwaukee, Wis.—Sewerage Comn. let contract for 18,000 lin.ft. concrete piles (cast in place) for machinery foundations for main power house on Jones Island, to MacArthur Concrete Pile & Foundation Co., 122 South Michigan Ave., Chicago, $1.64 per lin.ft.

★Trailer Wagons, etc.—St. James, Minn.—Watonwan Co. let contract furnishing six 3½ yd. Troy trailer wagons, to D. Peebles, St. James. About $1,600. Noted June 9.

Paving Materials—St. Paul, Minn.—City opened bids July 5 furnishing materials for paving Jefferson Ave. between Snelling and Fredericks Aves., 1,330 bbl. portland cement, from St. Paul Builders Material Co., 605 Ryan Annex, $2.55 delivered; Gopher Lime & Cement Co., Griggs and Fuller Sts., $2.55 delivered; 935 cu.yd. crushed rock for concrete base, from T. McDonald, 1541 Ashland Ave., $2.44 delivered; J. L. Shiely Co., 305 Dakota Bldg., $2.55 delivered; St. Paul Crushed Stone Co., Stewart and Victoria Aves., $2.80 delivered; 561 cu.yd. concrete sand, J. L. Shiely Co., 305 Dakota Bldg., $1.30 delivered; T. McDonald, 1541 Ashland Ave., $1.44 delivered; 101 tons asphalt, Minnesota Rd. Equipment Co., 708 Plymouth Bldg., Minneapolis, $23.65 f.o.b. St. Paul; Barber Asphalt Paving Co., St. Paul, oil asphalt 50-60 per cent penetration, $27.52, both in tank car lots; 384 cu.yd. fine asphalt sand, T. McDonald, 1541 Ashland Ave., $1.90 delivered; J. L. Shiely Co., 305 Dakota Bldg., $1.95 delivered; 190 cu.yd. coarse asphalt sand, T. McDonald, 1541 Ashland Ave., $1.44 delivered; J. L. Shiely Co., 305 Dakota Bldg., $1.50 delivered; 115 tons limestone dust, Minnesota Crushed Stone Co., 1500 Johnson St., N. E., Minneapolis, $5.50 per net ton delivered; 137 tons traprock, Trap Rock Co., Bway. and K St., N. E., Minneapolis, $2.45 f.o.b. cars; 275 tons binder stone, etc., J. L. Shiely Co., 305 Dakota Bldg., $1.70 delivered; materials for paving Maryland St. between Payne and Duluth Aves., 15,576 sq.yd. vitr. clay paving bricks, Streater Clay Mfg. Co., 713 Guardian Life Bldg., $1.57 f.o.b. cars; Gopher Lime & Cement Co., Griggs and Fuller Sts., $1.63 delivered; Purington Paving Co., Galesburg, Ill., $1.63 f.o.b.; 3,180 bbl. portland cement, St. Paul Builders Material Co., 605 Ryan Annex, $2.55 delivered; Gopher Lime & Cement Co., Griggs and Fuller Sts., $2.55 delivered; 1,300 cu.yd. concrete sand, United Materials Co., 626 Endicott Bldg., $1.47 delivered; J. L. Shiely Co., 305 Dakota Bldg., $1.60 delivered; Conroy Clewett Co., 722 Globe Bldg., $1.63 delivered; 2,165 cu.yd crushed rock or gravel, United Materials Co., 626 Endicott Bldg., $2.70 delivered; J. L. Shiely Co., 305 Dakota Bldg., $2.75 delivered; Stiefel Material Co., 501 Concord St., $2.75 delivered; 186,912 lb. asphalt filler, etc., Minnesota Rd. Equipment Co., 708 Plymouth Bldg., Minneapolis, $28.75 per ton f.o.b. St. Paul. Noted June 29.

Dike, etc.—Portland, Ore.—City received bids June 30, building (a) dike, involving 1,000 wood piles (except dolphin piles), 77 dolphin piles, 50,000 ft. caps, stringers bracing, etc. and 80,000 ft. logging, (b) rip rap, involving 15,000 short ton rock furnished in place, from Gilpin Constr. Co., Worcester Bldg., (a and b) $29,826; Portland Bridge & Building Co., 330 Worcester Bldg., (a) $15,183; Star Sand Co., Goldsmith and Delay Sts., (b) $14,250; Grant Smith & Co., 625 Ry. Exch. Bldg., (a and b) $40,201. Dredging to be done by Port of Portland.

OFFICIAL PROPOSALS

Bids: Aug. 3.

Miscellaneous Work

Middletown, N. Y.

Sealed proposals for Construction, Heating, Sanitary and Electric Work, Kitchen Building and Connecting Corridor, Additional Accommodations for Chronic Patients (East Group) at the Middletown State Homeopathic Hospital, Middletown, N. Y., will be received by the State Hospital Commission, Capitol, Albany, N. Y., until 3 o'clock p.m., on Wednesday, August 3, 1921 (daylight saving time), when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State architect, sealed and addressed, and shall be accompanied by a certified check in the sum of five per cent (5%) of the amount of the proposal. The contractors to whom the awards are made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contract within thirty days after official notice of award of contract and in accordance with the terms of Specifications Nos. 3742, 3743, 3744 and 3745. The right is reserved to reject any or all bids. Drawings, specifications and blank forms of proposal may be consulted at the Middletown State Homeopathic Hospital, Middletown, N. Y., at the New York Office of the Department of Architecture, Room 618, Hall of Records Building, and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon reasonable notice to and in the discretion of the State Architect, L. F. Pilcher, Capitol, Albany, N. Y.

E. S. ELWOOD,
Secretary, State Hospital Commission.
Dated: July 1, 1921.

Bids: July 27.

Highway Construction

Trenton, N. J.

Notice is hereby given that sealed bids will be received by the State Highway Commission of New Jersey for the construction of the following:

Route No. 12, Section No. 1, beginning at Pine Brook and ending at Parsippany, Morris County, in the municipalities of Montville and Hanover, bridges as follows:

Bridge No. 84, M.P. 9.3-E: I-beam bridge, 30-foot clear span, concrete floor slab, concrete foundations and piling, width 30 feet.

Bridge No. 86, M.P. 8.9-E: I-beam bridge, four spans about 28 feet each, concrete floor slab, additional concrete foundations to old stone masonry, width 30 feet.

Bridge No. 88, M.P. 7.9-E: Steel plate girder bridge, span 70-feet, steel concrete deck floor and concrete foundations, width 30 feet.

Bridge "N" M.P. 6.2-E: I-beam bridge, span 15-feet, 6-in., concrete floor slab, concrete foundations, with 30 feet.

Culvert M.P. 5.3-E: Reinforced concrete box culvert with wing walls for roadway having 30-foot width.

Culvert M.P. 4.7-E: Reinforced concrete box culverts with wing walls for roadway having 30-foot width.

Bid in one lump sum for all of the above will be received at the office of the State Highway Commission, Broad St. Bank Bldg., Trenton, N. J., on July 27, 1921, at 11:00 a.m., Standard Time and opened and read immediately thereafter.

Drawings, specifications and form of bid, contract and bond for the proposed work are on file in the office of the State Highway Department, Trenton, N. J., and office of Charles A. Mead, Bridge Engineer, 790 Broad St., Newark, N. J., and may be inspected by prospective bidders. Plans will be furnished on deposit of Ten ($10.00) Dollars for all these bridges upon application to Charles A. Mead, Bridge Engineer, 790 Broad Street, Newark. Bids must be made on the standard proposal form in the manner designated therein and as required by the 1921 specifications, same to be enclosed in sealed special addressed envelopes bearing the name and address of bidder and the numbers of bridges on the outside, and must be accompanied by a certified check drawn to the order of the State Treasurer for not less than ten (10%) per cent of the amount of the bid, provided that said certified check shall not be less than $500.00 nor more than $20,000.00, and be delivered at the above place on or before the hour named. Copies of the standard proposal form and special addressed envelope will be furnished upon application to Charles A. Mead, Bridge Engineer, 790 Broad St., Newark, N. J. Bids not enclosed in special envelope will be considered informal and will not be opened.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of said specifications, conditioned for the faithful performance of the provisions of the contract and specifications.

By order of the State Highway Commission.

A. LEE GROVER,
Chief Clerk.